



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Cover Page

Order ID : P4474

Project ID : 86 Davidson Road, Piscataway, NJ

Client : Yannuzzi Group, Inc.

Lab Sample Number

P4474-01

Client Sample Number

TS-2

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 10/28/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



284 Sheffield Street, Mountainside, NJ 07092
Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Yannuzzi Group, Inc.

Project Name: 86 Davidson Road, Piscataway, NJ

Project # N/A

Chemtech Project # P4474

Test Name: TPH GC

A. Number of Samples and Date of Receipt:

1 Solid sample was received on 10/21/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, EPH, Mercury, Metals ICP-TAL, PCB, Pesticide-TCL, SVOC-TCL BNA -20, TCL+30/TAL, TPH GC and VOC-TCLVOA-10. This data package contains results for TPH GC.

C. Analytical Techniques:

The analysis were performed on instrument FID_F. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302. The analysis of TPH GC was based on method 8015D and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS {P4473-01MS} with File ID: FF014742.D recoveries met the requirements for all compounds except for Petroleum Hydrocarbons[-73%] due to matrix interference.

The MSD {P4473-01MSD} with File ID: FF014743.D recoveries met the acceptable requirements except for Petroleum Hydrocarbons[-94%] due to matrix interference.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

E. Additional Comments:

The soil samples results are based on a dry weight basis.



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F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following "Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4474

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRIYANKA DAVE

Date: 10/28/2024

LAB CHRONICLE

OrderID:	P4474	OrderDate:	10/21/2024 3:19:00 PM
Client:	Yannuzzi Group, Inc.	Project:	86 Davidson Road, Piscataway, NJ
Contact:	Rafael Nunez	Location:	K61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4474-01	TS-2	SOIL			10/18/24			10/21/24
			PCB	8082A		10/22/24	10/22/24	
			Pesticide-TCL	8081B		10/22/24	10/23/24	
			TPH GC	8015D		10/22/24	10/22/24	



QC SUMMARY

SOIL TPH GC SURROGATE RECOVERY

Lab Name: Chemtech Client: Yannuzzi Group, Inc.
Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG No.: P4474

EPA SAMPLE NO.	S1 TETRACOSANE-d50	S2	S3	S4	TOT OUT
PIBLK-FF014733.D	86				0
PIBLK-FF014738.D	84				0
PIBLK-FF014746.D	80				0
PIBLK-FF014749.D	113				0
PIBLK-FF014753.D	82				0
TS-1MS	55				0
TS-1MSD	54				0
TS-2	52				0
PB164324BL	73				0
PB164324BS	95				0

QC LIMITS

TETRACOSANE-d50

For Water : 29-130

For Soil : 37-130

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate Diluted Out

SOIL TPH GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Yannuzzi Group, Inc.
Lab Code: CHEM **Cas No:** P4474 **SAS No :** P4474 **SDG No:** P4474
Client SampleID : TS-1MS **Datafile:** FF014742.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
Petroleum Hydrocarbons	23155	127000	110197	-73%	*	68-131

SOIL TPH GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Yannuzzi Group, Inc.
Lab Code: CHEM **Cas No:** P4474 **SAS No :** P4474 **SDG No:** P4474
Client SampleID : TS-1MSD **Datafile:** FF014743.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
Petroleum Hydrocarbons	23170	127000	105281	-94%	*	68-131

MS/MSD % Recovery RPD : 19.6

SOIL TPH GC LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Yannuzzi Group, Inc.
Lab Code: CHEM **Cas No:** P4474 **SAS No :** P4474 **SDG No:** P4474
Matrix Spike - EPA Sample No : PB164324BS **Datafile:** FF014752.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
Petroleum Hydrocarbons	11322	0	10556	93	68-131

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164324BL

Lab Name: CHEMTECH

Contract: YANN01

Lab Code: CHEM Case No.: P4474

SAS No.: P4474 SDG NO.: P4474

Lab File ID: FF014740.D

Lab Sample ID: PB164324BL

Instrument ID: FF

Date Extracted: 10/22/2024

Matrix: (soil/water) Soil

Date Analyzed: 10/22/24

Level: (low/med) low

Time Analyzed: 17:47

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TS-2	P4474-01	FF014737.D	10/22/24
TS-1MS	P4473-01MS	FF014742.D	10/22/24
TS-1MSD	P4473-01MSD	FF014743.D	10/22/24
PB164324BS	PB164324BS	FF014752.D	10/23/24

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/18/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TS-2	SDG No.:	P4474
Lab Sample ID:	P4474-01	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	48.2
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TPH GC
GPC Factor :		Injection Volume :	
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014737.D	1	10/22/24 10:46	10/22/24 15:51	PB164324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	81700		659	5870	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	10.4		37 - 130	52%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
Data File : FF014737.D
Signal(s) : FID2B.ch
Acq On : 22 Oct 2024 15:51
Operator : YP\AJ
Sample : P4474-01
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TS-2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
Quant Time: Oct 23 04:03:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.007	1363014	10.357 ug/mlm
Target Compounds			

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
Data File : FF014737.D
Signal(s) : FID2B.ch
Acq On : 22 Oct 2024 15:51
Operator : YP\AJ
Sample : P4474-01
Misc :
ALS Vial : 62 Sample Multiplier: 1

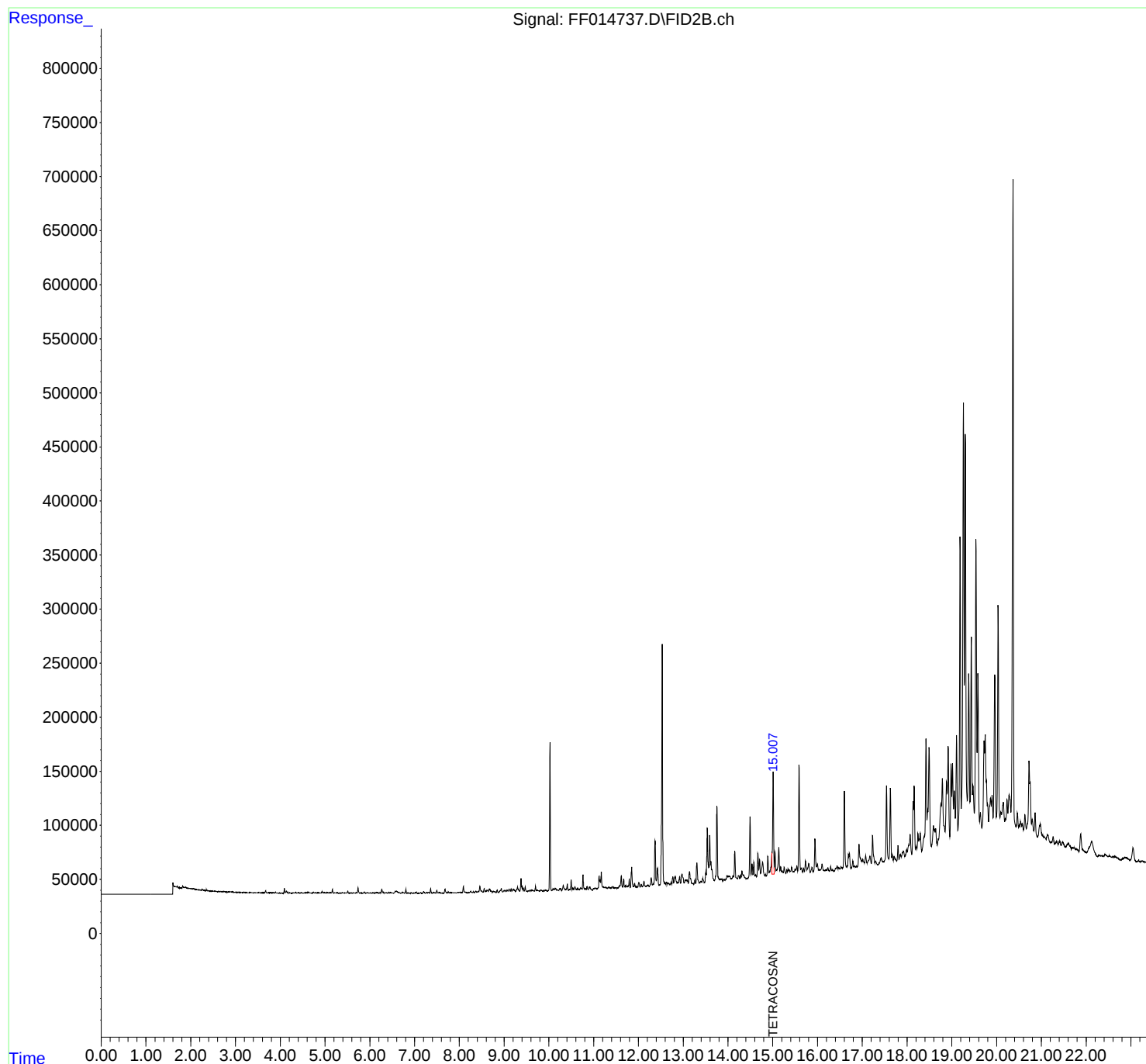
Instrument :
FID_F
ClientSampleId :
TS-2

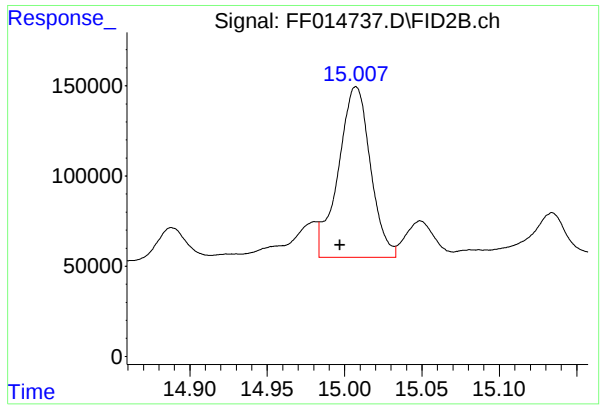
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
Quant Time: Oct 23 04:03:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.007 min
Delta R.T.: 0.010 min
Response: 1363014
Conc: 10.36 ug/ml

Instrument :

FID_F

ClientSampleId :

TS-2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/23/2024

Supervised By :Ankita Jodhani 10/23/2024

Instrument :

FID_F

ClientSampleId :

TS-2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF10222

Data File : FF014737.D

Signal(s) : FID2B.ch

Acq On : 22 Oct 2024 15:51

Sample : P4474-01

Misc :

ALS Vial : 62 Sample Multiplier: 1

Reviewed By :Yogesh Patel 10/23/2024

Supervised By :Ankita Jodhani 10/23/2024

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M

Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	1.935	1.918	1.979	BV	225	2193	0.02%	0.001%
2	1.986	1.979	2.007	PV	228	1708	0.01%	0.001%
3	2.010	2.007	2.044	VV	141	1662	0.01%	0.001%
4	2.059	2.044	2.115	VV	661	11743	0.10%	0.007%
5	2.124	2.115	2.205	VV	273	4960	0.04%	0.003%
6	2.218	2.205	2.243	PV	251	3763	0.03%	0.002%
7	2.251	2.243	2.337	VV	1293	19489	0.17%	0.012%
8	2.351	2.337	2.380	VV	1006	9103	0.08%	0.005%
9	2.383	2.380	2.460	VV	257	3777	0.03%	0.002%
10	2.462	2.460	2.475	VV	167	761	0.01%	0.000%
11	2.486	2.475	2.539	PV	229	4664	0.04%	0.003%
12	2.543	2.539	2.610	VV	149	2919	0.03%	0.002%
13	2.622	2.610	2.675	PV	341	5446	0.05%	0.003%
14	2.681	2.675	2.703	VV	216	2152	0.02%	0.001%
15	2.748	2.703	2.812	PV	445	12396	0.11%	0.007%
16	2.816	2.812	2.822	VV	123	501	0.00%	0.000%
17	2.837	2.822	2.848	VV	350	3307	0.03%	0.002%
18	2.852	2.848	2.877	VV	279	3248	0.03%	0.002%
19	2.893	2.877	2.920	VV	479	7158	0.06%	0.004%
20	2.940	2.920	2.966	VV	373	5814	0.05%	0.003%
21	2.975	2.966	2.995	VV	164	2131	0.02%	0.001%
22	3.009	2.995	3.032	VV	326	3558	0.03%	0.002%
23	3.035	3.032	3.039	VV	159	453	0.00%	0.000%
24	3.057	3.039	3.111	VV	308	5698	0.05%	0.003%
25	3.118	3.111	3.148	VV	147	2094	0.02%	0.001%
26	3.156	3.148	3.174	PV	137	1119	0.01%	0.001%
27	3.186	3.174	3.218	VV	573	7443	0.06%	0.004%
28	3.222	3.218	3.258	VV	224	2439	0.02%	0.001%
29	3.261	3.258	3.265	VV	98	277	0.00%	0.000%
30	3.269	3.265	3.276	VV	110	438	0.00%	0.000%
31	3.281	3.276	3.291	VV	128	561	0.00%	0.000%
32	3.314	3.291	3.326	PV	227	2225	0.02%	0.001%
33	3.343	3.326	3.367	VV	596	7384	0.06%	0.004%
34	3.371	3.367	3.386	VV	128	1238	0.01%	0.001%
35	3.388	3.386	3.397	VV	145	564	0.00%	0.000%
36	3.403	3.397	3.416	VV	177	1215	0.01%	0.001%

					retention			
37	3.424	3.416	3.437	VV	136	1476	0.01%	0.001%
38	3.440	3.437	3.448	VV	243	896		
39	3.455	3.448	3.466	VV	172	1599		
40	3.473	3.466	3.489	VV	196	2228		
41	3.503	3.489	3.511	VV	284	2607		
42	3.518	3.511	3.537	VV	330	3400		
43	3.541	3.537	3.553	VV	231	2059	0.02%	0.001%
44	3.557	3.553	3.581	VV	225	2340	0.02%	0.001%
45	3.604	3.581	3.627	VV	398	5889	0.05%	0.004%
46	3.631	3.627	3.646	VV	211	1788	0.02%	0.001%
47	3.673	3.646	3.699	VV	2236	29895	0.26%	0.018%
48	3.711	3.699	3.734	VV	311	4824	0.04%	0.003%
49	3.770	3.734	3.812	VV	387	9360	0.08%	0.006%
50	3.819	3.812	3.840	VV	231	3031	0.03%	0.002%
51	3.846	3.840	3.857	VV	245	1712	0.01%	0.001%
52	3.864	3.857	3.871	VV	198	1166	0.01%	0.001%
53	3.891	3.871	3.943	VV	917	14399	0.13%	0.009%
54	3.948	3.943	3.952	VV	200	786	0.01%	0.000%
55	3.957	3.952	3.977	VV	216	1459	0.01%	0.001%
56	4.003	3.977	4.012	PV	143	1589	0.01%	0.001%
57	4.037	4.012	4.057	VV	266	4056	0.04%	0.002%
58	4.093	4.057	4.111	PV	4521	42064	0.37%	0.025%
59	4.137	4.111	4.155	VV	1991	29771	0.26%	0.018%
60	4.160	4.155	4.183	VV	789	8678	0.08%	0.005%
61	4.188	4.183	4.192	VV	233	1070	0.01%	0.001%
62	4.205	4.192	4.250	VV	370	7216	0.06%	0.004%
63	4.252	4.250	4.266	VV	110	925	0.01%	0.001%
64	4.273	4.266	4.277	VV	168	769	0.01%	0.000%
65	4.292	4.277	4.320	VV	332	4915	0.04%	0.003%
66	4.340	4.320	4.365	VV	782	12133	0.11%	0.007%
67	4.367	4.365	4.377	VV	290	1743	0.02%	0.001%
68	4.395	4.377	4.440	VV	622	13092	0.11%	0.008%
69	4.463	4.440	4.486	VV	422	7051	0.06%	0.004%
70	4.494	4.486	4.505	VV	303	2769	0.02%	0.002%
71	4.509	4.505	4.521	VV	261	2123	0.02%	0.001%
72	4.527	4.521	4.533	VV	251	1378	0.01%	0.001%
73	4.546	4.533	4.558	VV	500	4660	0.04%	0.003%
74	4.576	4.558	4.594	VV	549	9641	0.08%	0.006%
75	4.606	4.594	4.623	VV	636	8606	0.07%	0.005%
76	4.636	4.623	4.667	VV	1020	15027	0.13%	0.009%
77	4.678	4.667	4.712	VV	333	6161	0.05%	0.004%
78	4.715	4.712	4.720	VV	166	582	0.01%	0.000%
79	4.739	4.720	4.761	VV	1054	12918	0.11%	0.008%
80	4.770	4.761	4.777	VV	391	3027	0.03%	0.002%
81	4.796	4.777	4.812	VV	468	7584	0.07%	0.005%
82	4.825	4.812	4.843	VV	438	6444	0.06%	0.004%
83	4.848	4.843	4.875	VV	422	6206	0.05%	0.004%
84	4.887	4.875	4.907	VV	300	4521	0.04%	0.003%
85	4.935	4.907	4.964	VV	1269	21775	0.19%	0.013%
86	4.968	4.964	4.974	VV	381	1832	0.02%	0.001%
87	4.990	4.974	5.019	VV	622	12850	0.11%	0.008%
88	5.044	5.019	5.092	VV	747	20211	0.18%	0.012%
89	5.119	5.092	5.143	VV	655	13796	0.12%	0.008%

Instrument :

FID_F

ClientSampleId :

TS-2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

90	5.165	5.143	5.197	VV	3762	40874	0.36%	0.024%
91	5.213	5.197	5.234	VV	400	7224		
92	5.249	5.234	5.273	VV	795	11322		
93	5.277	5.273	5.303	VV	492	5531		
94	5.317	5.303	5.339	VV	306	4132		
95	5.355	5.339	5.367	VV	440	4784		
96	5.386	5.367	5.418	VV	824	11822	0.10%	0.007%
97	5.420	5.418	5.430	VV	328	2019	0.02%	0.001%
98	5.445	5.430	5.461	VV	400	4864	0.04%	0.003%
99	5.464	5.461	5.482	VV	346	2996	0.03%	0.002%
100	5.509	5.482	5.537	VV	2008	24843	0.22%	0.015%
101	5.542	5.537	5.546	VV	162	840	0.01%	0.001%
102	5.557	5.546	5.571	VV	318	3494	0.03%	0.002%
103	5.575	5.571	5.601	VV	182	2211	0.02%	0.001%
104	5.633	5.601	5.683	VV	414	11735	0.10%	0.007%
105	5.698	5.683	5.715	VV	525	6554	0.06%	0.004%
106	5.738	5.715	5.790	VV	5019	63486	0.55%	0.038%
107	5.805	5.790	5.817	VV	224	2492	0.02%	0.001%
108	5.823	5.817	5.840	VV	233	1566	0.01%	0.001%
109	5.847	5.840	5.853	VV	124	588	0.01%	0.000%
110	5.872	5.853	5.918	VV	1054	14778	0.13%	0.009%
111	5.939	5.918	5.954	VV	731	10096	0.09%	0.006%
112	5.965	5.954	5.980	VV	577	6418	0.06%	0.004%
113	5.990	5.980	6.004	VV	330	3243	0.03%	0.002%
114	6.021	6.004	6.040	VV	426	5626	0.05%	0.003%
115	6.071	6.040	6.096	VV	603	12359	0.11%	0.007%
116	6.100	6.096	6.106	VV	250	1325	0.01%	0.001%
117	6.128	6.106	6.141	VV	645	7976	0.07%	0.005%
118	6.153	6.141	6.165	VV	951	9405	0.08%	0.006%
119	6.176	6.165	6.197	VV	1064	12436	0.11%	0.007%
120	6.232	6.197	6.247	VV	684	12539	0.11%	0.007%
121	6.267	6.247	6.326	VV	3804	64957	0.56%	0.039%
122	6.330	6.326	6.335	VV	279	1518	0.01%	0.001%
123	6.354	6.335	6.371	VV	585	8733	0.08%	0.005%
124	6.383	6.371	6.405	VV	520	7191	0.06%	0.004%
125	6.422	6.405	6.434	VV	972	10871	0.09%	0.006%
126	6.449	6.434	6.457	VV	826	9406	0.08%	0.006%
127	6.463	6.457	6.491	VV	786	10268	0.09%	0.006%
128	6.506	6.491	6.514	VV	436	4866	0.04%	0.003%
129	6.520	6.514	6.530	VV	339	2590	0.02%	0.002%
130	6.539	6.530	6.546	VV	321	2722	0.02%	0.002%
131	6.570	6.546	6.581	VV	1888	26903	0.23%	0.016%
132	6.593	6.581	6.687	VV	1885	63769	0.55%	0.038%
133	6.693	6.687	6.699	VV	325	2190	0.02%	0.001%
134	6.703	6.699	6.709	VV	303	1594	0.01%	0.001%
135	6.731	6.709	6.739	VV	794	9703	0.08%	0.006%
136	6.747	6.739	6.787	VV	724	13071	0.11%	0.008%
137	6.807	6.787	6.834	VV	3729	37914	0.33%	0.023%
138	6.839	6.834	6.843	VV	316	1456	0.01%	0.001%
139	6.855	6.843	6.877	VV	466	6474	0.06%	0.004%
140	6.887	6.877	6.894	VV	273	2286	0.02%	0.001%
141	6.896	6.894	6.908	VV	264	1387	0.01%	0.001%

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142	6.923	6.908	6.944	VV	838	8568	0.07%	0.005%
143	6.983	6.944	6.999	VV	354	7860		
144	7.014	6.999	7.024	VV	577	6189		
145	7.038	7.024	7.056	VV	1109	12339		
146	7.071	7.056	7.093	VV	285	3673		
147	7.111	7.093	7.122	PV	383	4323		
148	7.132	7.122	7.147	VV	515	5477	0.05%	0.003%
149	7.153	7.147	7.169	VV	291	2393	0.02%	0.001%
150	7.203	7.169	7.245	VV	1794	31097	0.27%	0.019%
151	7.274	7.245	7.288	VV	716	14282	0.12%	0.009%
152	7.317	7.288	7.334	VV	1039	19812	0.17%	0.012%
153	7.360	7.334	7.391	VV	4362	50215	0.44%	0.030%
154	7.418	7.391	7.436	VV	658	13060	0.11%	0.008%
155	7.446	7.436	7.476	VV	546	8798	0.08%	0.005%
156	7.497	7.476	7.526	VV	2898	34894	0.30%	0.021%
157	7.543	7.526	7.557	VV	895	9520	0.08%	0.006%
158	7.563	7.557	7.603	VV	671	8515	0.07%	0.005%
159	7.625	7.603	7.641	PV	273	2790	0.02%	0.002%
160	7.680	7.641	7.726	VV	3833	62951	0.55%	0.038%
161	7.754	7.726	7.783	VV	1079	19876	0.17%	0.012%
162	7.804	7.783	7.818	VV	529	7904	0.07%	0.005%
163	7.827	7.818	7.844	VV	674	7449	0.06%	0.004%
164	7.852	7.844	7.856	VV	430	2598	0.02%	0.002%
165	7.859	7.856	7.863	VV	403	1598	0.01%	0.001%
166	7.871	7.863	7.883	VV	397	3951	0.03%	0.002%
167	7.895	7.883	7.909	VV	438	5559	0.05%	0.003%
168	7.914	7.909	7.938	VV	324	3736	0.03%	0.002%
169	7.966	7.938	7.987	VV	860	13355	0.12%	0.008%
170	7.998	7.987	8.031	VV	813	14357	0.12%	0.009%
171	8.056	8.031	8.068	VV	526	8500	0.07%	0.005%
172	8.091	8.068	8.119	VV	6199	80210	0.70%	0.048%
173	8.131	8.119	8.152	VV	1017	13282	0.12%	0.008%
174	8.156	8.152	8.188	VV	421	4755	0.04%	0.003%
175	8.206	8.188	8.227	VV	438	6570	0.06%	0.004%
176	8.255	8.227	8.290	VV	1320	26283	0.23%	0.016%
177	8.314	8.290	8.334	VV	1059	15258	0.13%	0.009%
178	8.371	8.334	8.400	VV	1711	35316	0.31%	0.021%
179	8.424	8.400	8.437	VV	1376	20817	0.18%	0.012%
180	8.460	8.437	8.489	VV	6013	97713	0.85%	0.058%
181	8.500	8.489	8.532	VV	1865	28378	0.25%	0.017%
182	8.556	8.532	8.574	VV	3727	51433	0.45%	0.031%
183	8.588	8.574	8.604	VV	1478	23358	0.20%	0.014%
184	8.619	8.604	8.647	VV	2524	46494	0.40%	0.028%
185	8.667	8.647	8.710	VV	3201	81694	0.71%	0.049%
186	8.713	8.710	8.735	VV	1419	14747	0.13%	0.009%
187	8.757	8.735	8.773	VV	1438	20900	0.18%	0.012%
188	8.786	8.773	8.814	VV	935	15732	0.14%	0.009%
189	8.845	8.814	8.866	VV	2197	30404	0.26%	0.018%
190	8.912	8.866	8.917	PV	1741	23021	0.20%	0.014%
191	8.939	8.917	8.969	VV	3659	57324	0.50%	0.034%
192	9.001	8.969	9.014	VV	1976	31239	0.27%	0.019%
193	9.028	9.014	9.048	VV	1991	28789	0.25%	0.017%
194	9.070	9.048	9.088	VV	2009	35085	0.30%	0.021%

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195	9.113	9.088	9.136	VV	3205	57055	0.50%	0.034%
196	9.158	9.136	9.178	VV	3147	46142		
197	9.197	9.178	9.211	VV	2665	37159		
198	9.221	9.211	9.260	VV	2581	45039		
199	9.301	9.260	9.317	VV	4818	89544		
200	9.323	9.317	9.341	VV	2376	25106		
201	9.344	9.341	9.348	VV	1132	4255	0.04%	0.003%
202	9.380	9.348	9.395	VV	12523	161333	1.40%	0.096%
203	9.404	9.395	9.419	VV	5372	58005	0.50%	0.035%
204	9.430	9.419	9.451	VV	3650	42321	0.37%	0.025%
205	9.474	9.451	9.507	VV	4678	63877	0.55%	0.038%
206	9.525	9.507	9.530	VV	594	6609	0.06%	0.004%
207	9.547	9.530	9.563	VV	850	12625	0.11%	0.008%
208	9.580	9.563	9.603	VV	1472	26036	0.23%	0.016%
209	9.615	9.603	9.628	VV	1393	16186	0.14%	0.010%
210	9.638	9.628	9.653	VV	1298	15332	0.13%	0.009%
211	9.661	9.653	9.682	VV	880	10733	0.09%	0.006%
212	9.703	9.682	9.726	VV	5094	60707	0.53%	0.036%
213	9.743	9.726	9.783	VV	1433	29645	0.26%	0.018%
214	9.819	9.783	9.865	VV	1461	38857	0.34%	0.023%
215	9.922	9.865	9.963	VV	1127	40665	0.35%	0.024%
216	10.026	9.963	10.066	VV	137569	1432478	12.44%	0.856%
217	10.095	10.066	10.120	VV	2398	48281	0.42%	0.029%
218	10.139	10.120	10.148	VV	2536	33321	0.29%	0.020%
219	10.158	10.148	10.178	VV	2316	29568	0.26%	0.018%
220	10.187	10.178	10.205	VV	1147	15520	0.13%	0.009%
221	10.211	10.205	10.218	VV	744	5427	0.05%	0.003%
222	10.244	10.218	10.284	VV	2383	56929	0.49%	0.034%
223	10.322	10.284	10.368	VV	5179	113357	0.98%	0.068%
224	10.383	10.368	10.393	VV	1610	20222	0.18%	0.012%
225	10.411	10.393	10.436	VV	6206	76557	0.67%	0.046%
226	10.468	10.436	10.478	VV	1429	25720	0.22%	0.015%
227	10.499	10.478	10.523	VV	9997	115970	1.01%	0.069%
228	10.537	10.523	10.558	VV	2602	35027	0.30%	0.021%
229	10.584	10.558	10.612	VV	3452	65081	0.57%	0.039%
230	10.645	10.612	10.681	VV	2577	55600	0.48%	0.033%
231	10.710	10.681	10.735	VV	2374	53940	0.47%	0.032%
232	10.763	10.735	10.827	VV	14434	204325	1.77%	0.122%
233	10.852	10.827	10.879	VV	3415	56987	0.50%	0.034%
234	10.901	10.879	10.906	VV	2714	30581	0.27%	0.018%
235	10.918	10.906	10.940	VV	3295	44867	0.39%	0.027%
236	10.945	10.940	10.965	VV	1214	10837	0.09%	0.006%
237	11.000	10.965	11.011	PV	1418	20439	0.18%	0.012%
238	11.038	11.011	11.063	VV	1920	48225	0.42%	0.029%
239	11.068	11.063	11.082	VV	1223	12561	0.11%	0.008%
240	11.123	11.082	11.136	VV	12593	180258	1.57%	0.108%
241	11.145	11.136	11.155	VV	8838	90354	0.78%	0.054%
242	11.172	11.155	11.207	VV	16152	239197	2.08%	0.143%
243	11.217	11.207	11.235	VV	2430	35456	0.31%	0.021%
244	11.242	11.235	11.256	VV	1884	21569	0.19%	0.013%
245	11.273	11.256	11.308	VV	2127	43795	0.38%	0.026%
246	11.342	11.308	11.363	VV	2135	50115	0.44%	0.030%

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247	11.378	11.363	11.392	VV	1536	18977	0.16%	0.011%	
248	11.415	11.392	11.440	VV	2209	40733			
249	11.457	11.440	11.478	VV	1265	20688			
250	11.494	11.478	11.517	VV	1121	17918			
251	11.534	11.517	11.548	VV	1023	14617			
252	11.573	11.548	11.583	VV	2605	34455			
253	11.617	11.583	11.651	VV	11645	195405	1.70%	0.117%	
254	11.670	11.651	11.702	VV	8522	118412	1.03%	0.071%	
255	11.717	11.702	11.747	VV	2931	49871	0.43%	0.030%	
256	11.762	11.747	11.773	VV	1770	24108	0.21%	0.014%	
257	11.794	11.773	11.819	VV	8643	111090	0.97%	0.066%	
258	11.849	11.819	11.894	VV	19221	311212	2.70%	0.186%	
259	11.914	11.894	11.938	VV	4091	53164	0.46%	0.032%	
260	11.950	11.938	11.967	VV	1093	11118	0.10%	0.007%	
261	12.011	11.967	12.038	VV	4438	81719	0.71%	0.049%	
262	12.062	12.038	12.084	VV	2845	39263	0.34%	0.023%	
263	12.124	12.084	12.168	VV	5231	93484	0.81%	0.056%	
264	12.192	12.168	12.202	VV	1508	19316	0.17%	0.012%	
265	12.217	12.202	12.241	VV	1847	25980	0.23%	0.016%	
266	12.285	12.241	12.311	VV	8118	138581	1.20%	0.083%	
267	12.326	12.311	12.335	VV	2333	29132	0.25%	0.017%	
268	12.372	12.335	12.401	VV	42335	640627	5.57%	0.383%	
269	12.425	12.401	12.459	VV	16995	299956	2.61%	0.179%	
270	12.473	12.459	12.480	VV	992	10980	0.10%	0.007%	
271	12.533	12.480	12.586	VV	223654	3338057	29.00%	1.995%	
272	12.599	12.586	12.613	VV	3093	39433	0.34%	0.024%	
273	12.627	12.613	12.641	VV	3489	43410	0.38%	0.026%	
274	12.653	12.641	12.664	VV	2623	31005	0.27%	0.019%	
275	12.673	12.664	12.708	VV	2064	38319	0.33%	0.023%	
276	12.731	12.708	12.747	VV	3015	44517	0.39%	0.027%	
277	12.768	12.747	12.787	VV	8005	116947	1.02%	0.070%	
278	12.823	12.787	12.865	VV	8570	230193	2.00%	0.138%	
279	12.881	12.865	12.893	VV	2719	37621	0.33%	0.022%	
280	12.919	12.893	12.941	VV	7854	134552	1.17%	0.080%	
281	12.973	12.941	13.020	VV	9909	274530	2.38%	0.164%	
282	13.046	13.020	13.058	VV	4478	71762	0.62%	0.043%	
283	13.073	13.058	13.087	VV	4460	67390	0.59%	0.040%	
284	13.098	13.087	13.114	VV	4156	49535	0.43%	0.030%	
285	13.141	13.114	13.238	VV	11738	271383	2.36%	0.162%	
286	13.261	13.238	13.278	PV	4046	46197	0.40%	0.028%	
287	13.304	13.278	13.361	VV	19429	319103	2.77%	0.191%	
288	13.396	13.361	13.411	VV	2286	41110	0.36%	0.025%	
289	13.432	13.411	13.478	VV	4725	98665	0.86%	0.059%	
290	13.504	13.478	13.515	VV	10932	133140	1.16%	0.080%	
291	13.538	13.515	13.570	VV	50873	863699	7.50%	0.516%	
292	13.591	13.570	13.608	VV	44221	632735	5.50%	0.378%	
293	13.617	13.608	13.696	VV	19987	484461	4.21%	0.290%	
294	13.753	13.696	13.829	VV	70309	1115489	9.69%	0.667%	
295	13.844	13.829	13.883	VV	3314	73130	0.64%	0.044%	
296	13.908	13.883	13.921	VV	2040	37559	0.33%	0.022%	
297	13.929	13.921	13.938	VV	2092	19217	0.17%	0.011%	
298	13.977	13.938	13.990	VV	5439	103263	0.90%	0.062%	
299	14.006	13.990	14.015	VV	4859	69256	0.60%	0.041%	

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300	14.026	14.015	14.032	VV	4665	45238	0.39%	0.027%
301	14.042	14.032	14.078	VV	4587	92331		
302	14.109	14.078	14.123	VV	4866	94396		
303	14.151	14.123	14.209	VV	27673	447923		
304	14.236	14.209	14.263	VV	4693	109136		
305	14.280	14.263	14.293	VV	5081	68814		
306	14.311	14.293	14.341	VV	8988	168124	1.46%	0.100%
307	14.350	14.341	14.381	VV	5001	86646	0.75%	0.052%
308	14.385	14.381	14.406	VV	2214	27187	0.24%	0.016%
309	14.425	14.406	14.441	VV	1729	29479	0.26%	0.018%
310	14.492	14.441	14.517	VV	58409	822203	7.14%	0.491%
311	14.536	14.517	14.557	VV	14723	230712	2.00%	0.138%
312	14.577	14.557	14.599	VV	15820	234271	2.04%	0.140%
313	14.614	14.599	14.639	VV	3861	81020	0.70%	0.048%
314	14.667	14.639	14.688	VV	23982	364205	3.16%	0.218%
315	14.705	14.688	14.727	VV	18139	279263	2.43%	0.167%
316	14.771	14.727	14.820	VV	15551	477457	4.15%	0.285%
317	14.837	14.820	14.857	VV	3548	68350	0.59%	0.041%
318	14.888	14.857	14.913	VV	20485	324596	2.82%	0.194%
319	15.007	14.913	15.032	VV	98305	1908150	16.58%	1.140%
320	15.049	15.032	15.071	VV	23707	345271	3.00%	0.206%
321	15.134	15.071	15.159	VV	28031	657586	5.71%	0.393%
322	15.177	15.159	15.196	VV	9939	170625	1.48%	0.102%
323	15.210	15.196	15.235	VV	6105	120955	1.05%	0.072%
324	15.254	15.235	15.292	VV	9305	197260	1.71%	0.118%
325	15.311	15.292	15.326	VV	7014	107434	0.93%	0.064%
326	15.343	15.326	15.355	VV	7485	104938	0.91%	0.063%
327	15.366	15.355	15.383	VV	6504	98331	0.85%	0.059%
328	15.394	15.383	15.403	VV	5146	59514	0.52%	0.036%
329	15.420	15.403	15.449	VV	8693	176411	1.53%	0.105%
330	15.456	15.449	15.472	VV	4676	60641	0.53%	0.036%
331	15.497	15.472	15.514	VV	6733	142548	1.24%	0.085%
332	15.536	15.514	15.558	VV	9404	182162	1.58%	0.109%
333	15.587	15.558	15.621	VV	102855	1463375	12.71%	0.875%
334	15.638	15.621	15.666	VV	7156	153167	1.33%	0.092%
335	15.687	15.666	15.707	VV	6933	125172	1.09%	0.075%
336	15.730	15.707	15.764	VV	13574	280998	2.44%	0.168%
337	15.803	15.764	15.836	VV	10740	291961	2.54%	0.174%
338	15.875	15.836	15.905	VV	7178	184464	1.60%	0.110%
339	15.942	15.905	15.976	VV	33354	591021	5.13%	0.353%
340	15.996	15.976	16.035	VV	9862	236233	2.05%	0.141%
341	16.048	16.035	16.056	VV	4376	52128	0.45%	0.031%
342	16.064	16.056	16.068	VV	4023	28516	0.25%	0.017%
343	16.101	16.068	16.152	VV	9360	263509	2.29%	0.157%
344	16.159	16.152	16.174	VV	3293	42003	0.36%	0.025%
345	16.190	16.174	16.209	VV	3997	73374	0.64%	0.044%
346	16.231	16.209	16.267	VV	5643	124224	1.08%	0.074%
347	16.292	16.267	16.312	VV	6405	109294	0.95%	0.065%
348	16.330	16.312	16.368	VV	3261	88336	0.77%	0.053%
349	16.406	16.368	16.421	VV	4732	107686	0.94%	0.064%
350	16.437	16.421	16.455	VV	6422	107629	0.93%	0.064%
351	16.468	16.455	16.504	VV	4753	122950	1.07%	0.073%

Instrument :

FID_F

ClientSampleId :

TS-2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024

Supervised By :Ankita Jodhani 10/23/2024

rteres									
352	16.528	16.504	16.550	VV	5265	120707	1.05%	0.072%	
353	16.598	16.550	16.641	VV	75250	1230305	10.05%	0.072%	
354	16.649	16.641	16.656	VV	5216	45436	0.05%	0.072%	
355	16.690	16.656	16.699	VV	16664	269566	2.05%	0.072%	
356	16.711	16.699	16.745	VV	17521	286615	2.05%	0.055%	
357	16.789	16.745	16.820	VV	10136	265838	2.05%	0.055%	
358	16.837	16.820	16.854	VV	4847	92614	0.80%	0.055%	
359	16.876	16.854	16.889	VV	4711	91761	0.80%	0.055%	
360	16.926	16.889	16.992	VV	25049	764000	6.64%	0.457%	
361	17.010	16.992	17.043	VV	10710	274220	2.38%	0.164%	
362	17.074	17.043	17.112	VV	13917	399271	3.47%	0.239%	
363	17.168	17.112	17.203	VV	13220	524094	4.55%	0.313%	
364	17.229	17.203	17.279	VV	32157	706919	6.14%	0.423%	
365	17.301	17.279	17.336	VV	7916	221889	1.93%	0.133%	
366	17.349	17.336	17.359	VV	4945	67418	0.59%	0.040%	
367	17.424	17.359	17.472	VV	10716	525806	4.57%	0.314%	
368	17.540	17.472	17.589	VV	76979	1581135	13.74%	0.945%	
369	17.627	17.589	17.655	VV	74612	1311113	11.39%	0.784%	
370	17.669	17.655	17.689	VV	13009	218658	1.90%	0.131%	
371	17.713	17.689	17.768	VV	11355	419108	3.64%	0.250%	
372	17.798	17.768	17.821	VV	20991	400248	3.48%	0.239%	
373	17.850	17.821	17.873	VV	12226	337387	2.93%	0.202%	
374	17.919	17.873	17.948	VV	15478	593921	5.16%	0.355%	
375	17.989	17.948	18.002	VV	16441	425161	3.69%	0.254%	
376	18.068	18.002	18.106	VV	30383	1234511	10.72%	0.738%	
377	18.135	18.106	18.145	VV	60781	901264	7.83%	0.539%	
378	18.159	18.145	18.186	VV	74829	1181921	10.27%	0.706%	
379	18.206	18.186	18.221	VV	18532	369024	3.21%	0.221%	
380	18.243	18.221	18.262	VV	30793	614114	5.33%	0.367%	
381	18.271	18.262	18.278	VV	25092	233662	2.03%	0.140%	
382	18.293	18.278	18.329	VV	30973	703280	6.11%	0.420%	
383	18.387	18.329	18.393	VV	28347	849643	7.38%	0.508%	
384	18.423	18.393	18.446	VV	117624	2179666	18.93%	1.303%	
385	18.461	18.446	18.467	VV	51500	612279	5.32%	0.366%	
386	18.492	18.467	18.543	VV	108898	2622685	22.78%	1.568%	
387	18.588	18.543	18.602	VV	36903	973214	8.45%	0.582%	
388	18.609	18.602	18.629	VV	33145	515876	4.48%	0.308%	
389	18.639	18.629	18.675	VV	33888	725368	6.30%	0.434%	
390	18.696	18.675	18.704	VV	24329	383582	3.33%	0.229%	
391	18.756	18.704	18.766	VV	56227	1565166	13.60%	0.935%	
392	18.788	18.766	18.847	VV	79704	2432778	21.13%	1.454%	
393	18.881	18.847	18.896	VV	76584	1651957	14.35%	0.987%	
394	18.918	18.896	18.954	VV	109103	2335889	20.29%	1.396%	
395	18.982	18.954	18.998	VV	92631	1596098	13.87%	0.954%	
396	19.015	18.998	19.037	VV	93037	1715622	14.90%	1.025%	
397	19.055	19.037	19.078	VV	67478	1396002	12.13%	0.834%	
398	19.105	19.078	19.135	VV	118696	2429030	21.10%	1.452%	
399	19.184	19.135	19.209	VV	301139	5362214	46.58%	3.205%	
400	19.258	19.209	19.279	VV	425208	8671021	75.32%	5.182%	
401	19.301	19.279	19.347	VV	396958	7618855	66.18%	4.554%	
402	19.376	19.347	19.407	VV	174308	3755121	32.62%	2.244%	
403	19.434	19.407	19.459	VV	208264	3811362	33.11%	2.278%	
404	19.473	19.459	19.502	VV	71234	1561565	13.57%	0.933%	

Instrument :

FID_F

ClientSampleId :

TS-2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024

Supervised By :Ankita Jodhani 10/23/2024

Instrument :

FID_F

ClientSampleId :

TS-2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024

Supervised By :Ankita Jodhani 10/23/2024

405	19.538	19.502	19.563	VV	298529	5673815	49.29%	3.391%
406	19.583	19.563	19.618	VV	174161	3529179	30.00%	0.000%
407	19.637	19.618	19.670	VV	45507	1205527	10.00%	0.000%
408	19.720	19.670	19.732	VV	111768	2507515	21.00%	0.000%
409	19.744	19.732	19.790	VV	117200	2975902	25.00%	0.000%
410	19.799	19.790	19.820	VV	52872	835004	7.00%	0.000%
411	19.865	19.820	19.881	VV	58133	1822597	15.83%	1.089%
412	19.899	19.881	19.922	VV	60618	1315332	11.43%	0.786%
413	19.959	19.922	19.994	VV	171513	4063484	35.30%	2.429%
414	20.034	19.994	20.075	VV	235836	4787431	41.59%	2.861%
415	20.093	20.075	20.115	VV	44658	1021840	8.88%	0.611%
416	20.151	20.115	20.179	VV	53205	1793187	15.58%	1.072%
417	20.197	20.179	20.207	VV	38284	622395	5.41%	0.372%
418	20.233	20.207	20.251	VV	55662	1234445	10.72%	0.738%
419	20.277	20.251	20.320	VV	59685	2217001	19.26%	1.325%
420	20.366	20.320	20.435	VV	624514	11511637	100.00%	6.880%
421	20.464	20.435	20.491	VV	42288	1166295	10.13%	0.697%
422	20.506	20.491	20.520	VV	31277	533480	4.63%	0.319%
423	20.535	20.520	20.564	VV	34270	831413	7.22%	0.497%
424	20.571	20.564	20.575	VV	31841	221726	1.93%	0.133%
425	20.579	20.575	20.602	VV	31601	458906	3.99%	0.274%
426	20.632	20.602	20.664	VV	40342	1209031	10.50%	0.723%
427	20.724	20.664	20.742	VV	89922	2372395	20.61%	1.418%
428	20.750	20.742	20.777	VV	70528	1132461	9.84%	0.677%
429	20.796	20.777	20.835	VV	35591	1052208	9.14%	0.629%
430	20.859	20.835	20.907	VV	41362	1208784	10.50%	0.722%
431	20.960	20.907	20.970	VV	29178	896114	7.78%	0.536%
432	20.979	20.970	21.022	VV	30342	772094	6.71%	0.461%
433	21.027	21.022	21.050	VV	20109	322688	2.80%	0.193%
434	21.061	21.050	21.104	VV	18543	561085	4.87%	0.335%
435	21.134	21.104	21.193	VV	19992	918221	7.98%	0.549%
436	21.199	21.193	21.210	VV	13053	131421	1.14%	0.079%
437	21.216	21.210	21.222	VV	13018	92643	0.80%	0.055%
438	21.227	21.222	21.232	VV	13279	79153	0.69%	0.047%
439	21.263	21.232	21.296	VV	18006	554701	4.82%	0.332%
440	21.339	21.296	21.372	VV	13329	545344	4.74%	0.326%
441	21.409	21.372	21.445	VV	13324	495240	4.30%	0.296%
442	21.474	21.445	21.536	VV	12495	553695	4.81%	0.331%
443	21.601	21.536	21.670	VV	10831	691981	6.01%	0.414%
444	21.697	21.670	21.719	VV	6580	181510	1.58%	0.108%
445	21.726	21.719	21.785	VV	6299	205604	1.79%	0.123%
446	21.792	21.785	21.797	VV	4550	33418	0.29%	0.020%
447	21.801	21.797	21.838	VV	4532	86874	0.75%	0.052%
448	21.878	21.838	22.004	VV	18692	576784	5.01%	0.345%
449	22.007	22.004	22.013	VV	1014	5332	0.05%	0.003%
450	22.126	22.013	22.200	VBA	10674	598387	5.20%	0.358%

Sum of corrected areas: 167314312

FF102124.M Wed Oct 23 04:21:40 2024



CALIBRATION SUMMARY

TPH GC INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: YANN01
 ProjectID: 86 Davidson Road, Piscataway, NJ
 Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG No.: P4474

Calibration Sequence : FF102124		Test : TPH GC	
Concentration (PPM)	Area Count	Reference Factor	File ID
1700	225766981	132804	FF014706.D
850	115534550	135923	FF014707.D
340	48250267	141913	FF014708.D
170	24049317	141467	FF014709.D
85	12677985	149153	FF014710.D
AVG RF : 140252		% RSD : 4.477	AVG RT : 14.9988

TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: YANN01
ProjectID: 86 Davidson Road, Piscataway, NJ
Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG No.: P4474
DataFile: FF014734.D Analyst Name: YP\AJ Analyst Date: 10-22-2024

Conc. (PPM)	Area Count	RF	Average RF	%D
850	117829959	138623	140252	1.161

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
 Data File : FF014734.D
 Signal(s) : FID2B.ch
 Acq On : 22 Oct 2024 12:50
 Operator : YP\AJ
 Sample : 50 PPM TRPH STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 50 PPM TRPH STD

Integration File: autoint1.e
 Quant Time: Oct 23 04:03:30 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
 Quant Title :
 QLast Update : Tue Oct 22 08:35:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : Rxi-1ms
 Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.008	6466346	49.136 ug/ml
Target Compounds			
1) N-OCTANE	2.048	6672172	47.955 ug/ml
2) N-DECANE	4.570	7179163	50.255 ug/ml
3) N-DODECANE	6.732	7282788	50.186 ug/ml
4) N-TETRADECANE	8.557	7321630	49.948 ug/ml
5) N-HEXADECANE	10.162	7332323	49.896 ug/ml
6) N-OCTADECANE	11.604	7438117	49.545 ug/ml
7) N-EICOSANE	12.912	7486640	49.351 ug/ml
8) N-DOCOSANE	14.109	7227096	49.114 ug/ml
10) N-TETRACOSANE	15.211	7194042	48.949 ug/ml
11) N-HEXACOSANE	16.231	7121293	48.755 ug/ml
12) N-OCTACOSANE	17.179	7050851	48.798 ug/ml
13) N-TRIACONTANE	18.067	7184450	49.077 ug/ml
14) N-DOTRIACONTANE	18.900	7126610	49.537 ug/ml
15) N-TETRATRIACONTANE	19.682	6800202	49.585 ug/ml
16) N-HEXATRIACONTANE	20.420	6220053	47.946 ug/ml
17) N-OCTATRIACONTANE	21.154	5778820	50.244 ug/ml
18) N-TETRACONTANE	22.060	5413709	51.562 ug/ml

(f)=RT Delta > 1/2 Window

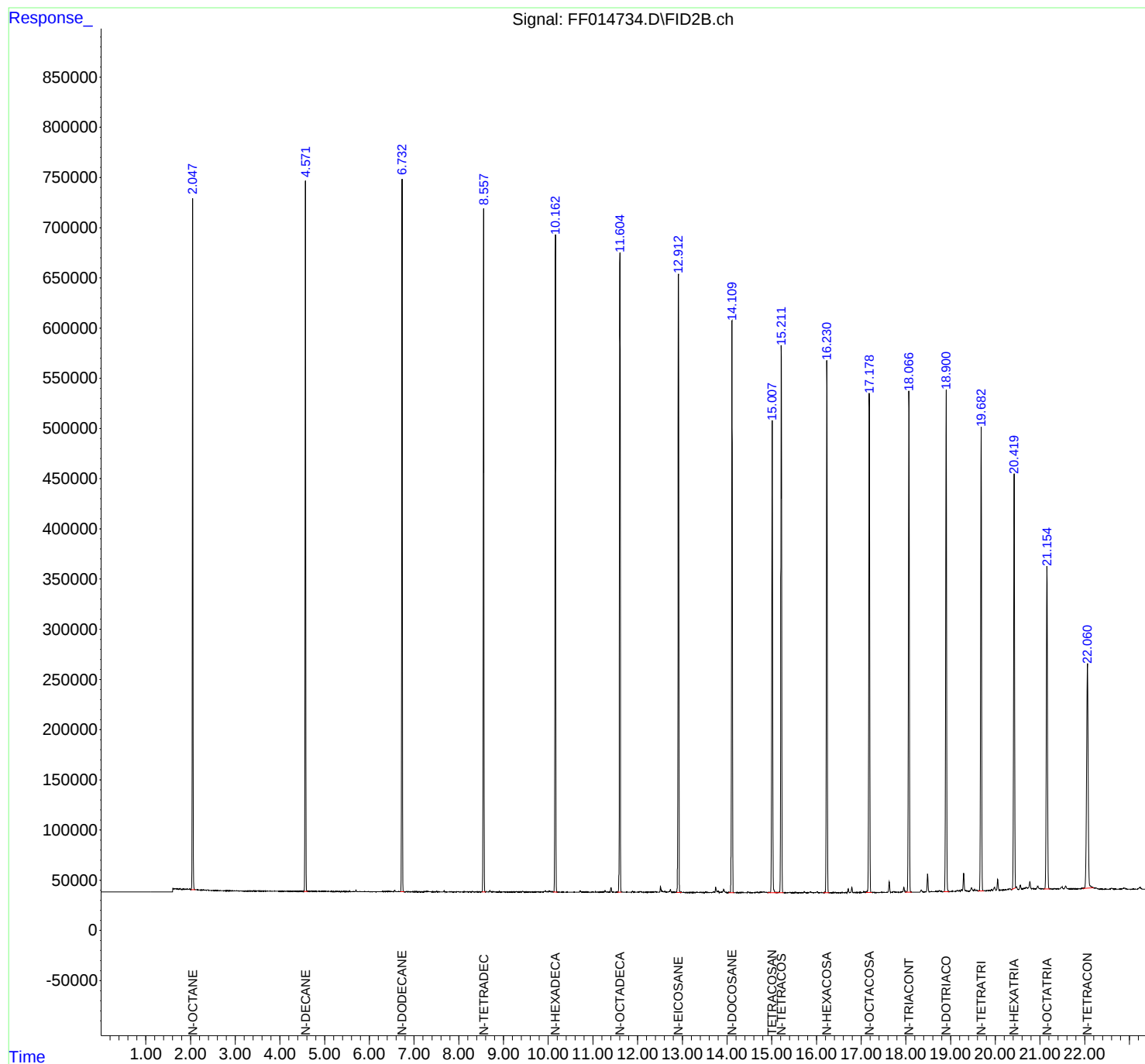
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
Data File : FF014734.D
Signal(s) : FID2B.ch
Acq On : 22 Oct 2024 12:50
Operator : YP\AJ
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
50 PPM TRPH STD

Integration File: autoint1.e
Quant Time: Oct 23 04:03:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
 Data File : FF014734.D
 Signal(s) : FID2B.ch
 Acq On : 22 Oct 2024 12:50
 Sample : 50 PPM TRPH STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
 Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.048	2.012	2.109	BB	688805	6672172	89.12%	5.368%
2	4.570	4.527	4.624	BB	709611	7179163	95.89%	5.776%
3	6.732	6.691	6.782	BB	711256	7282788	97.28%	5.859%
4	8.557	8.517	8.601	BB	683337	7321630	97.80%	5.890%
5	10.162	10.111	10.206	BB	655337	7332323	97.94%	5.899%
6	11.604	11.544	11.641	BB	638179	7438117	99.35%	5.984%
7	12.912	12.869	12.984	BB	615840	7486640	100.00%	6.023%
8	14.109	14.036	14.159	BB	569096	7227096	96.53%	5.814%
9	15.008	14.906	15.081	BV	470151	6466346	86.37%	5.202%
10	15.211	15.081	15.267	VB	546128	7194042	96.09%	5.788%
11	16.231	16.151	16.287	BB	529789	7121293	95.12%	5.729%
12	17.179	17.102	17.237	BB	496368	7050851	94.18%	5.673%
13	18.067	17.984	18.131	VB	498651	7184450	95.96%	5.780%
14	18.900	18.841	18.969	BB	499504	7126610	95.19%	5.734%
15	19.682	19.612	19.744	BB	462409	6800202	90.83%	5.471%
16	20.420	20.362	20.456	BV	413130	6220053	83.08%	5.004%
17	21.154	21.079	21.227	BB	321636	5778820	77.19%	4.649%
18	22.060	21.956	22.200	BBA	223975	5413709	72.31%	4.355%
Sum of corrected areas:						124296304		

FF102124.M Wed Oct 23 04:17:41 2024

TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: YANN01
ProjectID: 86 Davidson Road, Piscataway, NJ
Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG No.: P4474
DataFile: FF014739.D Analyst Name: YP\AJ Analyst Date: 10-22-2024

Conc. (PPM)	Area Count	RF	Average RF	%D
850	110336157	129807	140252	7.447

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
 Data File : FF014739.D
 Signal(s) : FID2B.ch
 Acq On : 22 Oct 2024 16:49
 Operator : YP\AJ
 Sample : 50 PPM TRPH STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 50 PPM TRPH STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/23/2024
 Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
 Quant Time: Oct 23 04:04:16 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
 Quant Title :
 QLast Update : Tue Oct 22 08:35:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : Rxi-1ms
 Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.011	6031513	45.831 ug/ml
Target Compounds			
1) N-OCTANE	2.047	6232028	44.792 ug/ml
2) N-DECANE	4.572	6712341	46.987 ug/ml
3) N-DODECANE	6.735	6798076	46.846 ug/ml
4) N-TETRADECANE	8.559	6822335	46.542 ug/ml
5) N-HEXADECANE	10.166	6831244	46.486 ug/ml
6) N-OCTADECANE	11.607	6933484	46.184 ug/ml
7) N-EICOSANE	12.916	6987166	46.059 ug/ml
8) N-DOCOSANE	14.113	6766711	45.985 ug/ml
10) N-TETRACOSANE	15.216	6748930	45.921 ug/ml
11) N-HEXACOSANE	16.236	6685583	45.772 ug/ml
12) N-OCTACOSANE	17.184	6618501	45.806 ug/ml
13) N-TRIACONTANE	18.071	6705653	45.807 ug/ml
14) N-DOTRIACONTANE	18.903	6700405	46.574 ug/ml
15) N-TETRATRIACONTANE	19.686	6257467	45.627 ug/ml
16) N-HEXATRIACONTANE	20.425	6072162	46.806 ug/ml
17) N-OCTATRIACONTANE	21.158	5330274	46.344 ug/mlm
18) N-TETRACONTANE	22.064	5133797	48.896 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
Data File : FF014739.D
Signal(s) : FID2B.ch
Acq On : 22 Oct 2024 16:49
Operator : YP\AJ
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

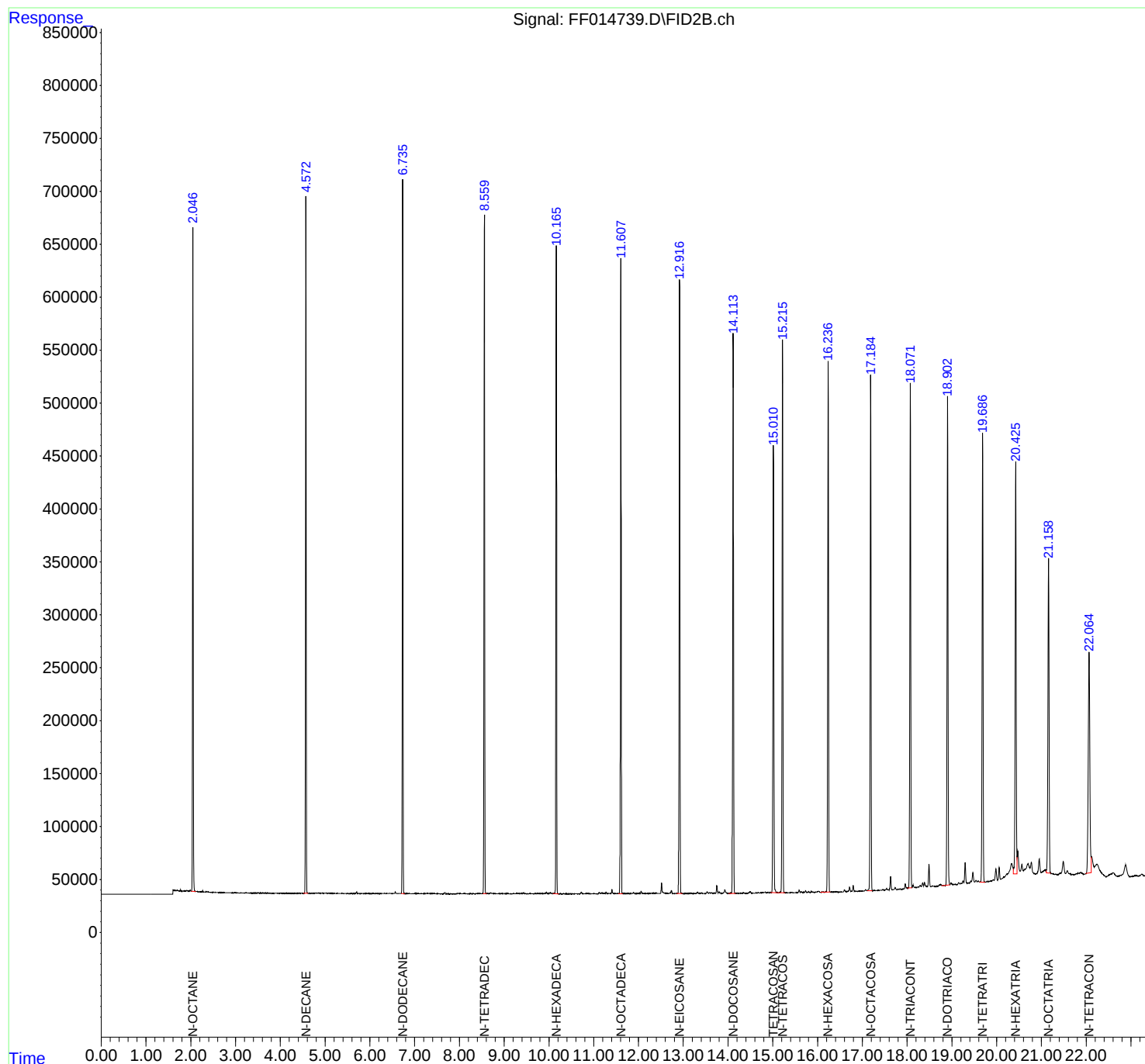
Instrument :
FID_F
ClientSampleId :
50 PPM TRPH STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
Quant Time: Oct 23 04:04:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um



rtres

Instrument :
FID_F
LabSampleId :
50 PPM TRPH STD
Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF10222
Data File : FF014739.D
Signal(s) : FID2B.ch
Acq On : 22 Oct 2024 16:49
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.047	2.010	2.114	BB	627511	6232028	89.19%	5.348%
2	4.572	4.510	4.620	BB	659578	6712341	96.07%	5.760%
3	6.735	6.699	6.784	BB	675641	6798076	97.29%	5.833%
4	8.559	8.520	8.612	BB	640308	6822335	97.64%	5.854%
5	10.166	10.085	10.217	BB	612157	6831244	97.77%	5.862%
6	11.607	11.550	11.647	BB	600321	6933484	99.23%	5.950%
7	12.916	12.847	12.982	BB	578091	6987166	100.00%	5.996%
8	14.113	14.014	14.170	BB	529509	6766711	96.84%	5.806%
9	15.011	14.949	15.079	BV	421537	6031513	86.32%	5.176%
10	15.216	15.079	15.277	PB	522736	6748930	96.59%	5.791%
11	16.236	16.062	16.287	BB	500683	6685583	95.68%	5.737%
12	17.184	17.105	17.222	VV	485509	6618501	94.72%	5.679%
13	18.071	18.002	18.110	BV	478291	6705653	95.97%	5.754%
14	18.903	18.774	18.957	VV	461438	6700405	95.90%	5.750%
15	19.686	19.619	19.747	BV	423596	6257467	89.56%	5.369%
16	20.425	20.373	20.456	VV	390128	6072162	86.90%	5.210%
17	21.159	21.000	21.294	VB	298431	5639917	80.72%	4.840%
18	22.064	21.964	22.114	BV	206687	4994967	71.49%	4.286%
Sum of corrected areas:						116538481		

FF102124.M Wed Oct 23 04:19:00 2024

TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: YANN01
ProjectID: 86 Davidson Road, Piscataway, NJ
Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG No.: P4474
DataFile: FF014747.D Analyst Name: YP\AJ Analyst Date: 10-22-2024

Conc. (PPM)	Area Count	RF	Average RF	%D
850	113529861	133565	140252	4.768

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
 Data File : FF014747.D
 Signal(s) : FID2B.ch
 Acq On : 22 Oct 2024 21:39
 Operator : YP\AJ
 Sample : 50 PPM TRPH STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 50 PPM TRPH STD

Integration File: autoint1.e
 Quant Time: Oct 23 04:05:27 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
 Quant Title :
 QLast Update : Tue Oct 22 08:35:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : Rxi-1ms
 Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.010	6261048	47.576 ug/ml
Target Compounds			
1) N-OCTANE	2.047	6465246	46.468 ug/ml
2) N-DECANE	4.571	6972224	48.807 ug/ml
3) N-DODECANE	6.733	7049970	48.582 ug/ml
4) N-TETRADECANE	8.558	7069824	48.230 ug/ml
5) N-HEXADECANE	10.164	7071599	48.122 ug/ml
6) N-OCTADECANE	11.606	7166425	47.735 ug/ml
7) N-EICOSANE	12.915	7219673	47.591 ug/ml
8) N-DOCOSANE	14.112	6975694	47.405 ug/ml
10) N-TETRACOSANE	15.215	6962623	47.375 ug/ml
11) N-HEXACOSANE	16.235	6879792	47.102 ug/ml
12) N-OCTACOSANE	17.184	6822855	47.220 ug/ml
13) N-TRIACONTANE	18.071	6921572	47.282 ug/ml
14) N-DOTRIACONTANE	18.903	6837212	47.525 ug/ml
15) N-TETRATRIACONTANE	19.687	6463316	47.128 ug/ml
16) N-HEXATRIACONTANE	20.425	5997607	46.231 ug/ml
17) N-OCTATRIACONTANE	21.158	5463590	47.503 ug/ml
18) N-TETRACONTANE	22.066	5190639	49.437 ug/ml

(f)=RT Delta > 1/2 Window

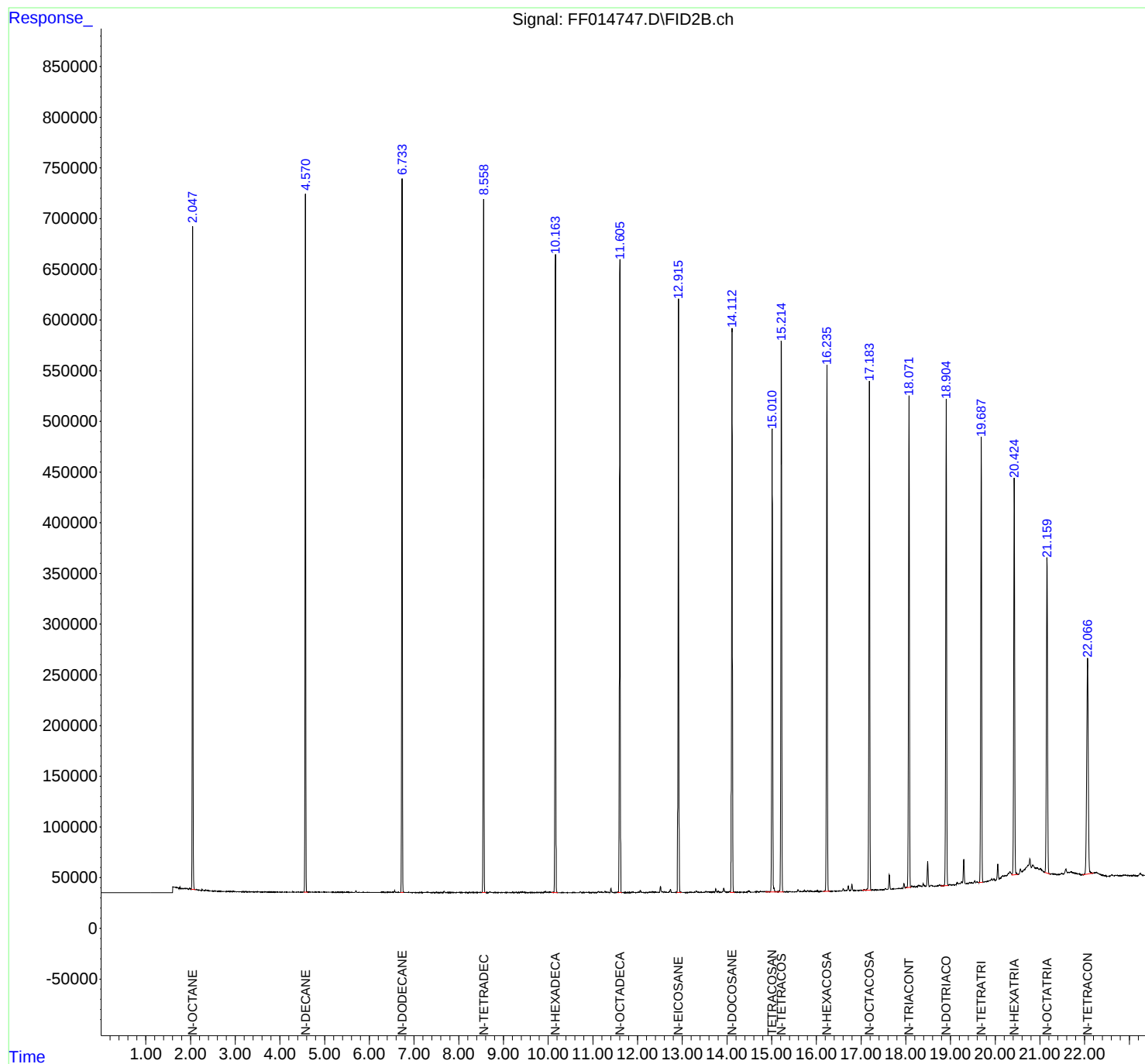
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
Data File : FF014747.D
Signal(s) : FID2B.ch
Acq On : 22 Oct 2024 21:39
Operator : YP\AJ
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
50 PPM TRPH STD

Integration File: autoint1.e
Quant Time: Oct 23 04:05:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
Data File : FF014747.D
Signal(s) : FID2B.ch
Acq On : 22 Oct 2024 21:39
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.047	2.012	2.112	BB	653441	6465246	89.55%	5.397%
2	4.571	4.532	4.624	BB	689481	6972224	96.57%	5.820%
3	6.733	6.692	6.764	BB	705960	7049970	97.65%	5.885%
4	8.558	8.519	8.606	BB	683123	7069824	97.92%	5.902%
5	10.164	10.077	10.217	BB	630326	7071599	97.95%	5.903%
6	11.606	11.551	11.644	BB	623312	7166425	99.26%	5.982%
7	12.915	12.874	12.984	BB	584266	7219673	100.00%	6.027%
8	14.112	14.074	14.167	VB	556218	6975694	96.62%	5.823%
9	15.010	14.856	15.081	BV	456089	6261048	86.72%	5.227%
10	15.215	15.081	15.274	VB	543861	6962623	96.44%	5.812%
11	16.235	16.146	16.307	BB	516366	6879792	95.29%	5.743%
12	17.184	17.022	17.226	BB	502287	6822855	94.50%	5.696%
13	18.071	17.999	18.111	BV	484427	6921572	95.87%	5.778%
14	18.903	18.776	18.949	VV	480472	6837212	94.70%	5.708%
15	19.687	19.624	19.727	BB	440648	6463316	89.52%	5.395%
16	20.425	20.376	20.511	VB	390003	5997607	83.07%	5.007%
17	21.158	21.106	21.227	PB	311904	5463590	75.68%	4.561%
18	22.066	21.956	22.200	BBA	212759	5190639	71.90%	4.333%
Sum of corrected areas:						119790909		

FF102124.M Wed Oct 23 04:20:26 2024

TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: YANN01
ProjectID: 86 Davidson Road, Piscataway, NJ
Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG No.: P4474
DataFile: FF014750.D Analyst Name: YP\AJ Analyst Date: 10-23-2024

Conc. (PPM)	Area Count	RF	Average RF	%D
850	116604660	137182	140252	2.189

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102324\
 Data File : FF014750.D
 Signal(s) : FID2B.ch
 Acq On : 23 Oct 2024 07:43
 Operator : YP\AJ
 Sample : 50 PPM TRPH STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 50 PPM TRPH STD

Integration File: autoint1.e
 Quant Time: Oct 24 02:15:42 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
 Quant Title :
 QLast Update : Tue Oct 22 08:35:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : Rxi-1ms
 Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.012	6442230	48.952 ug/ml
Target Compounds			
1) N-OCTANE	2.047	6617879	47.565 ug/ml
2) N-DECANE	4.572	7165034	50.156 ug/ml
3) N-DODECANE	6.734	7250680	49.965 ug/ml
4) N-TETRADECANE	8.559	7312948	49.889 ug/ml
5) N-HEXADECANE	10.165	7315310	49.780 ug/ml
6) N-OCTADECANE	11.607	7410830	49.363 ug/ml
7) N-EICOSANE	12.916	7448278	49.098 ug/ml
8) N-DOCOSANE	14.114	7192622	48.880 ug/ml
10) N-TETRACOSANE	15.216	7165078	48.752 ug/ml
11) N-HEXACOSANE	16.236	7084312	48.502 ug/ml
12) N-OCTACOSANE	17.185	6999039	48.439 ug/ml
13) N-TRIACONTANE	18.071	7093735	48.458 ug/ml
14) N-DOTRIACONTANE	18.904	6957829	48.364 ug/ml
15) N-TETRATRIACONTANE	19.686	6603897	48.153 ug/ml
16) N-HEXATRIACONTANE	20.425	6082142	46.883 ug/ml
17) N-OCTATRIACONTANE	21.159	5585479	48.563 ug/ml
18) N-TETRACONTANE	22.064	5319568	50.665 ug/ml

(f)=RT Delta > 1/2 Window

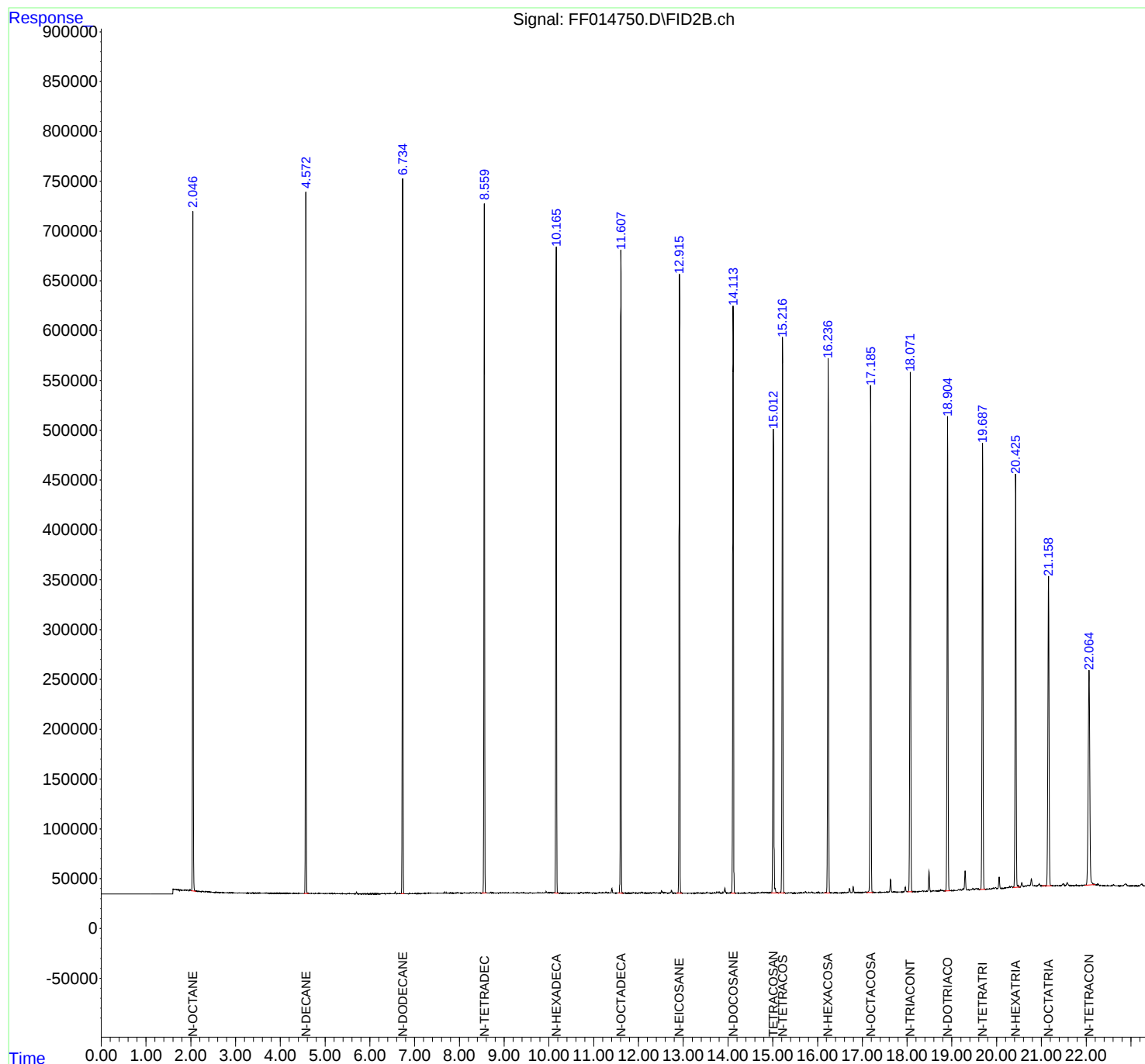
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102324\
Data File : FF014750.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 07:43
Operator : YP\AJ
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
50 PPM TRPH STD

Integration File: autoint1.e
Quant Time: Oct 24 02:15:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102324\
 Data File : FF014750.D
 Signal(s) : FID2B.ch
 Acq On : 23 Oct 2024 07:43
 Sample : 50 PPM TRPH STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
 Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.047	2.010	2.110	BB	682491	6617879	88.85%	5.378%
2	4.572	4.525	4.629	BB	705723	7165034	96.20%	5.823%
3	6.734	6.695	6.770	BB	715559	7250680	97.35%	5.893%
4	8.559	8.495	8.607	BB	692059	7312948	98.18%	5.943%
5	10.165	10.117	10.214	BB	651008	7315310	98.21%	5.945%
6	11.607	11.545	11.662	BB	645665	7410830	99.50%	6.023%
7	12.916	12.847	12.975	BB	621583	7448278	100.00%	6.053%
8	14.114	14.075	14.167	VB	590247	7192622	96.57%	5.845%
9	15.012	14.962	15.079	BV	464287	6442230	86.49%	5.236%
10	15.216	15.079	15.275	VB	559197	7165078	96.20%	5.823%
11	16.236	16.149	16.280	BB	535877	7084312	95.11%	5.757%
12	17.185	17.097	17.242	BB	510373	6999039	93.97%	5.688%
13	18.071	18.007	18.120	BB	521769	7093735	95.24%	5.765%
14	18.904	18.835	18.957	BB	476593	6957829	93.42%	5.655%
15	19.686	19.620	19.750	BB	449058	6603897	88.66%	5.367%
16	20.425	20.369	20.525	BB	415140	6082142	81.66%	4.943%
17	21.159	21.019	21.232	BB	310450	5585479	74.99%	4.539%
18	22.064	21.969	22.200	BBA	214814	5319568	71.42%	4.323%
Sum of corrected areas:						123046890		

FF102124.M Thu Oct 24 02:25:19 2024

TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: YANN01
ProjectID: 86 Davidson Road, Piscataway, NJ
Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG No.: P4474
DataFile: FF014754.D Analyst Name: YP\AJ Analyst Date: 10-23-2024

Conc. (PPM)	Area Count	RF	Average RF	%D
850	119688745	140810	140252	0.398

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102324\
 Data File : FF014754.D
 Signal(s) : FID2B.ch
 Acq On : 23 Oct 2024 09:39
 Operator : YP\AJ
 Sample : 50 PPM TRPH STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 50 PPM TRPH STD

Integration File: autoint1.e
 Quant Time: Oct 24 02:16:16 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
 Quant Title :
 QLast Update : Tue Oct 22 08:35:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : Rxi-1ms
 Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.012	6593549	50.102 ug/ml
Target Compounds			
1) N-OCTANE	2.047	6888627	49.511 ug/ml
2) N-DECANE	4.572	7455913	52.193 ug/ml
3) N-DODECANE	6.735	7532498	51.907 ug/ml
4) N-TETRADECANE	8.559	7531006	51.376 ug/ml
5) N-HEXADECANE	10.165	7512134	51.120 ug/ml
6) N-OCTADECANE	11.608	7586008	50.530 ug/ml
7) N-EICOSANE	12.917	7606516	50.141 ug/ml
8) N-DOCOSANE	14.114	7331472	49.823 ug/ml
10) N-TETRACOSANE	15.216	7300413	49.673 ug/ml
11) N-HEXACOSANE	16.236	7210750	49.368 ug/ml
12) N-OCTACOSANE	17.186	7136733	49.392 ug/ml
13) N-TRIACONTANE	18.073	7258922	49.586 ug/ml
14) N-DOTRIACONTANE	18.905	7150735	49.705 ug/ml
15) N-TETRATRIACONTANE	19.687	6781792	49.450 ug/ml
16) N-HEXATRIACONTANE	20.426	6248872	48.168 ug/ml
17) N-OCTATRIACONTANE	21.160	5760190	50.082 ug/ml
18) N-TETRACONTANE	22.065	5396164	51.394 ug/ml

(f)=RT Delta > 1/2 Window

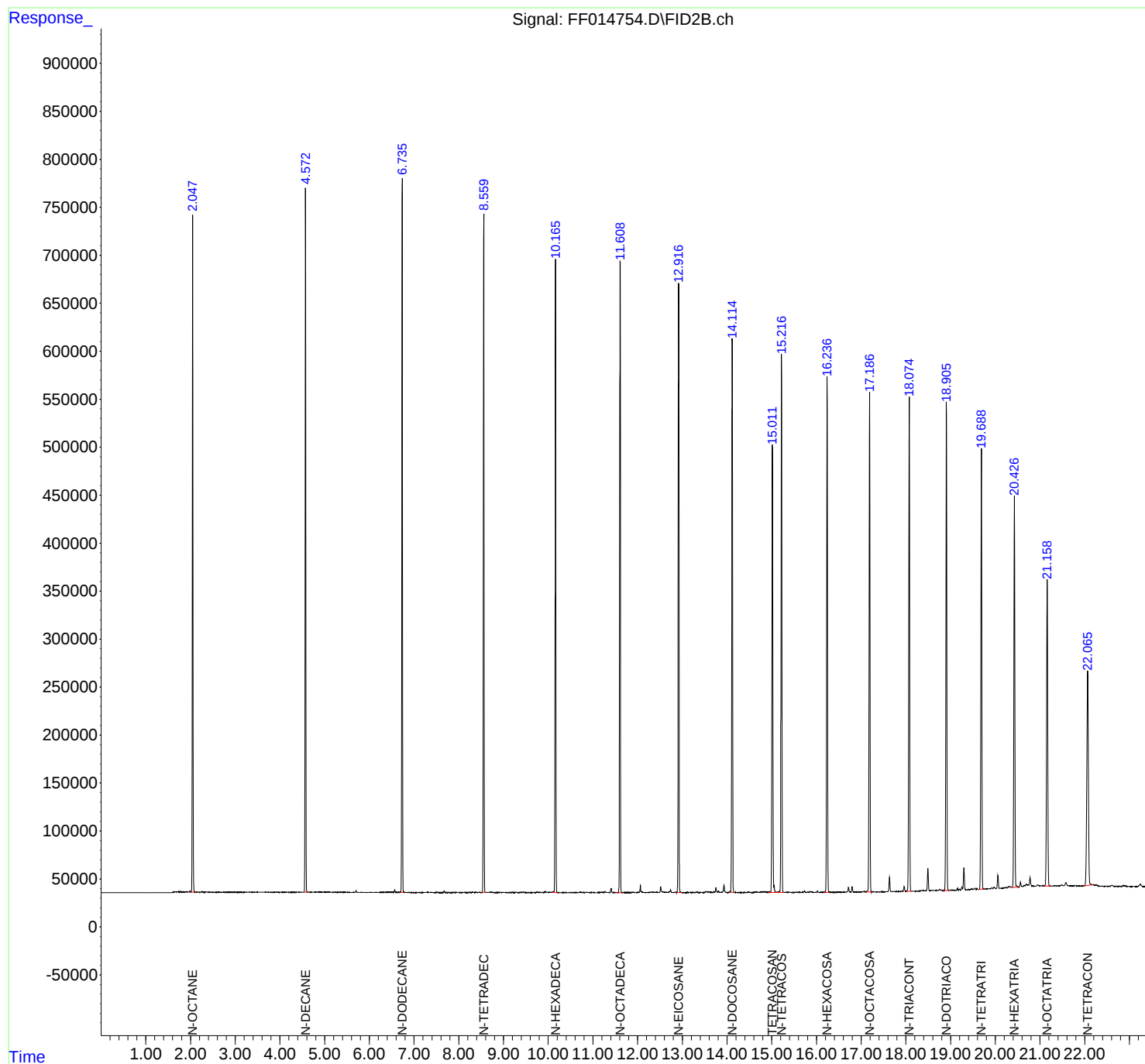
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102324\
Data File : FF014754.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 09:39
Operator : YP\AJ
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
50 PPM TRPH STD

Integration File: autoint1.e
Quant Time: Oct 24 02:16:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102324\
 Data File : FF014754.D
 Signal(s) : FID2B.ch
 Acq On : 23 Oct 2024 09:39
 Sample : 50 PPM TRPH STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
 Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.047	2.011	2.111	BB	705442	6888627	90.56%	5.455%
2	4.572	4.524	4.626	BB	734769	7455913	98.02%	5.904%
3	6.735	6.694	6.781	BB	743307	7532498	99.03%	5.965%
4	8.559	8.519	8.611	BB	706197	7531006	99.01%	5.964%
5	10.165	10.079	10.221	BB	661291	7512134	98.76%	5.949%
6	11.608	11.511	11.652	BB	658692	7586008	99.73%	6.007%
7	12.917	12.876	12.984	BB	633400	7606516	100.00%	6.023%
8	14.114	14.075	14.164	VB	577197	7331472	96.38%	5.806%
9	15.012	14.914	15.081	BV	463360	6593549	86.68%	5.221%
10	15.216	15.081	15.276	VB	560465	7300413	95.98%	5.781%
11	16.236	16.167	16.282	BB	537289	7210750	94.80%	5.710%
12	17.186	17.104	17.249	BB	519744	7136733	93.82%	5.651%
13	18.073	18.007	18.124	BB	516706	7258922	95.43%	5.748%
14	18.905	18.834	18.974	BB	506855	7150735	94.01%	5.663%
15	19.687	19.624	19.756	BB	459816	6781792	89.16%	5.370%
16	20.426	20.366	20.522	BB	407030	6248872	82.15%	4.948%
17	21.160	21.084	21.234	BB	319764	5760190	75.73%	4.561%
18	22.065	21.972	22.179	BB	224053	5396164	70.94%	4.273%
Sum of corrected areas:						126282292		

FF102124.M Thu Oct 24 02:26:48 2024

Analytical Sequence

Client: Yannuzzi Group, Inc.

SDG No.: P4474

Project: 86 Davidson Road, Piscataway, NJ

Instrument ID: FID_F

GC Column: RXI-1MS **ID:** 0.18 (mm)

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

MEAN SUROGATE RT FROM INITIAL CALIBRATION 14.9988					
EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
PIBLK01	LBLK01	22 Oct 2024 12:21	FF014733.D	15.004	
50 PPM TRPH STD	50 PPM TRPH STD	22 Oct 2024 12:50	FF014734.D	15.008	
TS-2	P4474-01	22 Oct 2024 15:51	FF014737.D	15.007	
PIBLK02	LBLK02	22 Oct 2024 16:20	FF014738.D	15.008	
50 PPM TRPH STD	50 PPM TRPH STD	22 Oct 2024 16:49	FF014739.D	15.011	
PB164324BL	PB164324BL	22 Oct 2024 17:47	FF014740.D	15.008	
TS-1MS	P4473-01MS	22 Oct 2024 18:45	FF014742.D	14.984	
TS-1MSD	P4473-01MSD	22 Oct 2024 19:14	FF014743.D	15.007	
PIBLK03	LBLK03	22 Oct 2024 20:41	FF014746.D	15.008	
50 PPM TRPH STD	50 PPM TRPH STD	22 Oct 2024 21:39	FF014747.D	15.010	
PIBLK04	LBLK04	23 Oct 2024 07:14	FF014749.D	15.008	
50 PPM TRPH STD	50 PPM TRPH STD	23 Oct 2024 07:43	FF014750.D	15.012	
PB164324BS	PB164324BS	23 Oct 2024 08:42	FF014752.D	15.010	
PIBLK05	LBLK05	23 Oct 2024 09:10	FF014753.D	15.009	
50 PPM TRPH STD	50 PPM TRPH STD	23 Oct 2024 09:39	FF014754.D	15.012	

Column used to flag RT values with an * values outside of QC limits

QC Limits
(± 0.10 minutes)

Lower Limit
14.8988

Upper Limits
15.0988



QC SAMPLE DATA

Report of Analysis

Client:	Yannuzzi Group, Inc.		Date Collected:		
Project:	86 Davidson Road, Piscataway, NJ		Date Received:		
Client Sample ID:	PB164324BL		SDG No.:	P4474	
Lab Sample ID:	PB164324BL		Matrix:	SOIL	
Analytical Method:	8015D TPH		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	TPH GC	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014740.D	1	10/22/24 10:46	10/22/24 17:47	PB164324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	318	U	318	2830	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	14.6		37 - 130	73%	SPK: 20

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 P = Indicates >25% difference for detected concentrations between the two GC columns
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
Data File : FF014740.D
Signal(s) : FID2B.ch
Acq On : 22 Oct 2024 17:47
Operator : YP\AJ
Sample : PB164324BL
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB164324BL

Integration File: autoint1.e
Quant Time: Oct 23 04:04:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.008	1924259	14.622 ug/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

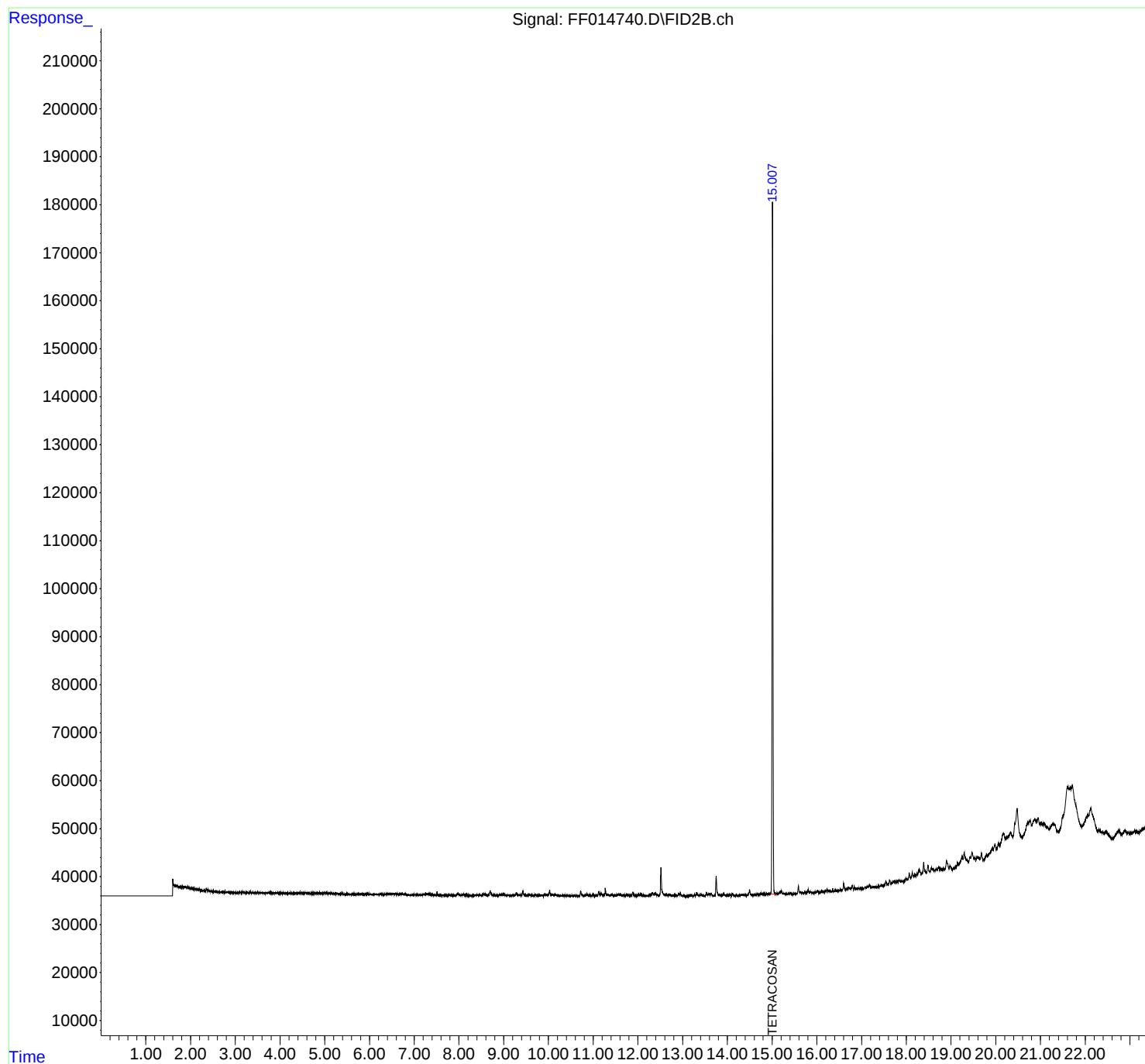
(m)=manual int.

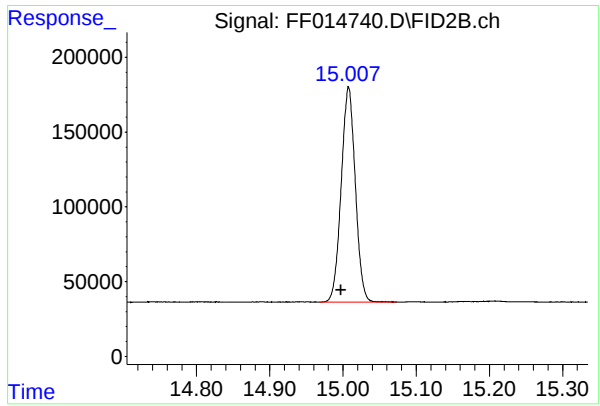
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
Data File : FF014740.D
Signal(s) : FID2B.ch
Acq On : 22 Oct 2024 17:47
Operator : YP\AJ
Sample : PB164324BL
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB164324BL

Integration File: autoint1.e
Quant Time: Oct 23 04:04:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.008 min
Delta R.T.: 0.011 min
Response: 1924259
Conc: 14.62 ug/ml

Instrument :
FID_F
ClientSampleId :
PB164324BL

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
Data File : FF014740.D
Signal(s) : FID2B.ch
Acq On : 22 Oct 2024 17:47
Sample : PB164324BL
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.008	14.967	15.072	BB	144242	1924259	100.00%	100.000%
Sum of corrected areas:						1924259		

FF102124.M Wed Oct 23 04:19:15 2024

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/22/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/22/24
Client Sample ID:	PIBLK-FF014733.D	SDG No.:	P4474
Lab Sample ID:	I.BLK-FF014733.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	1 mL
Extraction Type:		Test:	TPH GC
GPC Factor :	PH :	Injection Volume :	
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014733.D	1		10/22/24	FF102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
PHC	Petroleum Hydrocarbons	9.00	U	9.00	85.0	ug/L
SURROGATES						
16416-32-3	TETRACOSANE-d50	17.2		29 - 130	86%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
Data File : FF014733.D
Signal(s) : FID2B.ch
Acq On : 22 Oct 2024 12:21
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Oct 23 04:03:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.004	2263009	17.196 ug/ml

Target Compounds

(f)=RT Delta > 1/2 Window

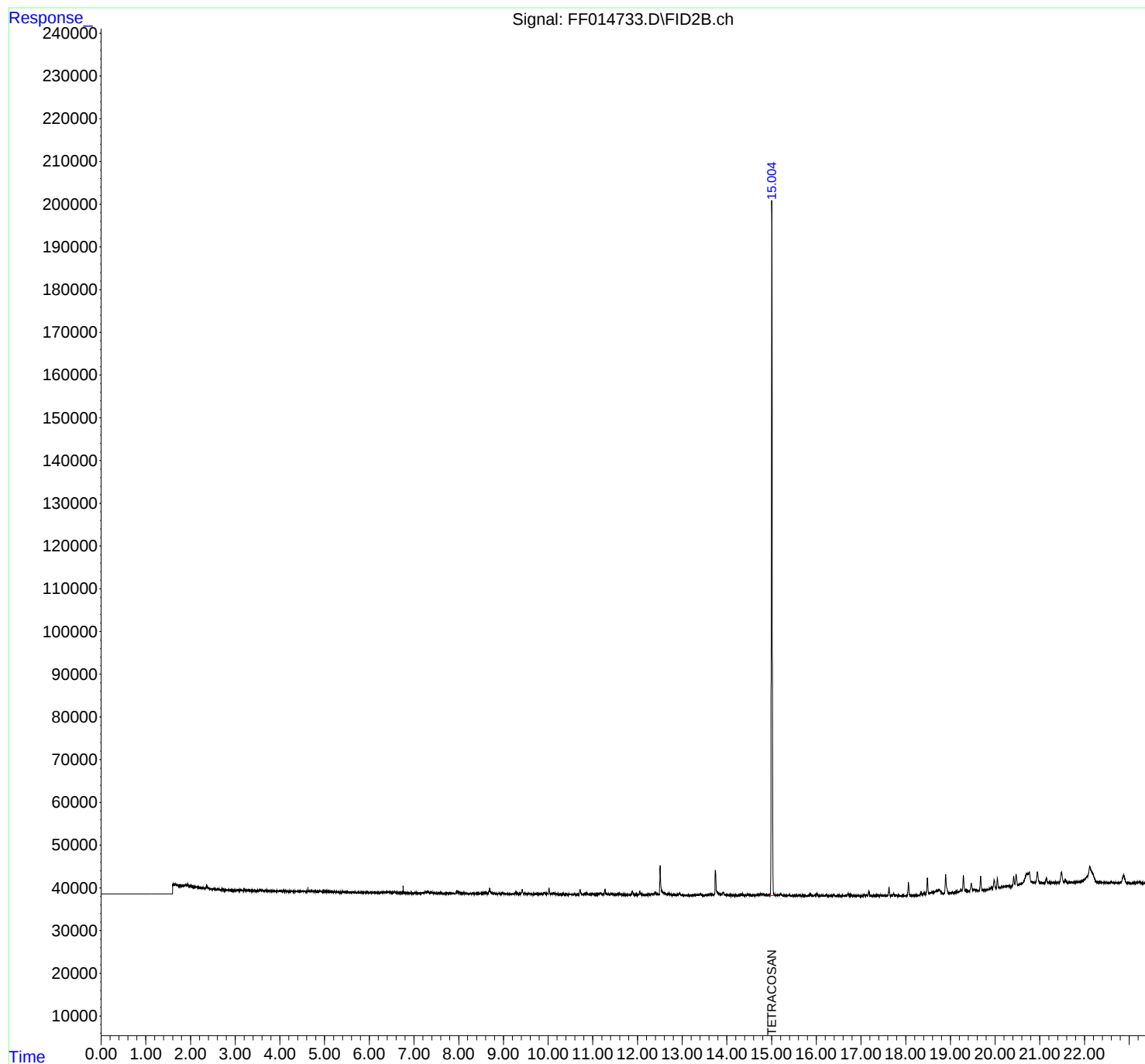
(m)=manual int.

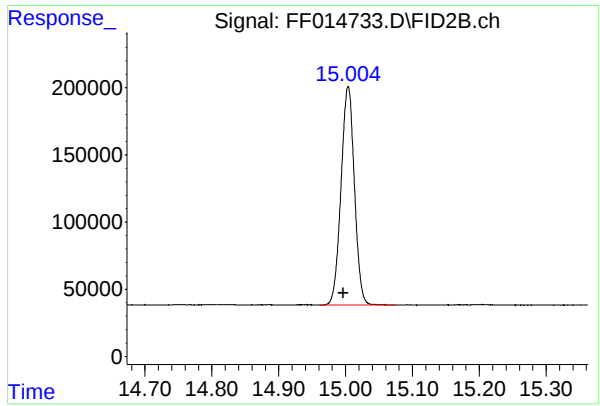
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
Data File : FF014733.D
Signal(s) : FID2B.ch
Acq On : 22 Oct 2024 12:21
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Oct 23 04:03:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.004 min

Delta R.T.: 0.007 min

Response: 2263009

Conc: 17.20 ug/ml

Instrument :

FID_F

ClientSampleId :

I.BLK

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
Data File : FF014733.D
Signal(s) : FID2B.ch
Acq On : 22 Oct 2024 12:21
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.004	14.960	15.075	BB	162595	2263009	100.00%	100.000%
Sum of corrected areas:						2263009		

FF102124.M Wed Oct 23 04:17:10 2024

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/22/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/22/24
Client Sample ID:	PIBLK-FF014738.D	SDG No.:	P4474
Lab Sample ID:	I.BLK-FF014738.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	1 mL
Extraction Type:		Test:	TPH GC
GPC Factor :	PH :	Injection Volume :	
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014738.D	1		10/22/24	FF102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
PHC	Petroleum Hydrocarbons	9.00	U	9.00	85.0	ug/L
SURROGATES						
16416-32-3	TETRACOSANE-d50	16.7		29 - 130	84%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
Data File : FF014738.D
Signal(s) : FID2B.ch
Acq On : 22 Oct 2024 16:20
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Oct 23 04:04:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.008	2197362	16.697 ug/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

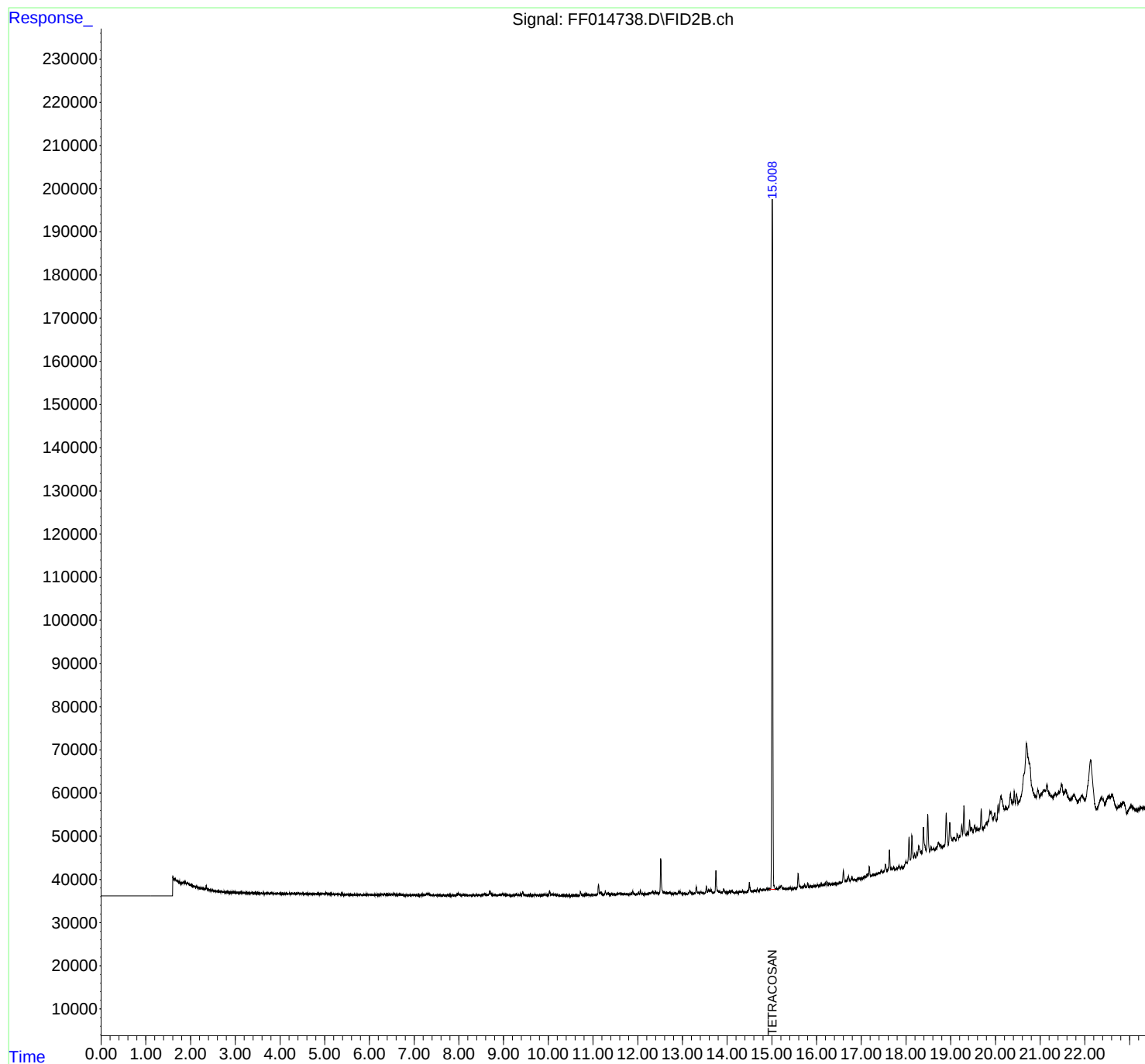
(m)=manual int.

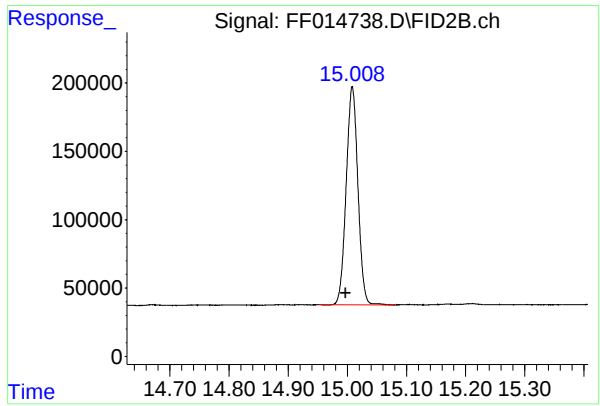
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
Data File : FF014738.D
Signal(s) : FID2B.ch
Acq On : 22 Oct 2024 16:20
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Oct 23 04:04:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.008 min

Delta R.T.: 0.011 min

Response: 2197362

Conc: 16.70 ug/ml

Instrument :

FID_F

ClientSampleId :

I.BLK

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
Data File : FF014738.D
Signal(s) : FID2B.ch
Acq On : 22 Oct 2024 16:20
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.008	14.952	15.082	BB	159696	2197362	100.00%	100.000%
Sum of corrected areas:						2197362		

FF102124.M Wed Oct 23 04:18:19 2024

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/22/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/22/24
Client Sample ID:	PIBLK-FF014746.D	SDG No.:	P4474
Lab Sample ID:	I.BLK-FF014746.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TPH GC
GPC Factor :		Injection Volume :	
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014746.D	1		10/22/24	FF102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
PHC	Petroleum Hydrocarbons	9.00	U	9.00	85.0	ug/L
SURROGATES						
16416-32-3	TETRACOSANE-d50	16.0		29 - 130	80%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
Data File : FF014746.D
Signal(s) : FID2B.ch
Acq On : 22 Oct 2024 20:41
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Oct 23 04:05:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.008	2103135	15.981 ug/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

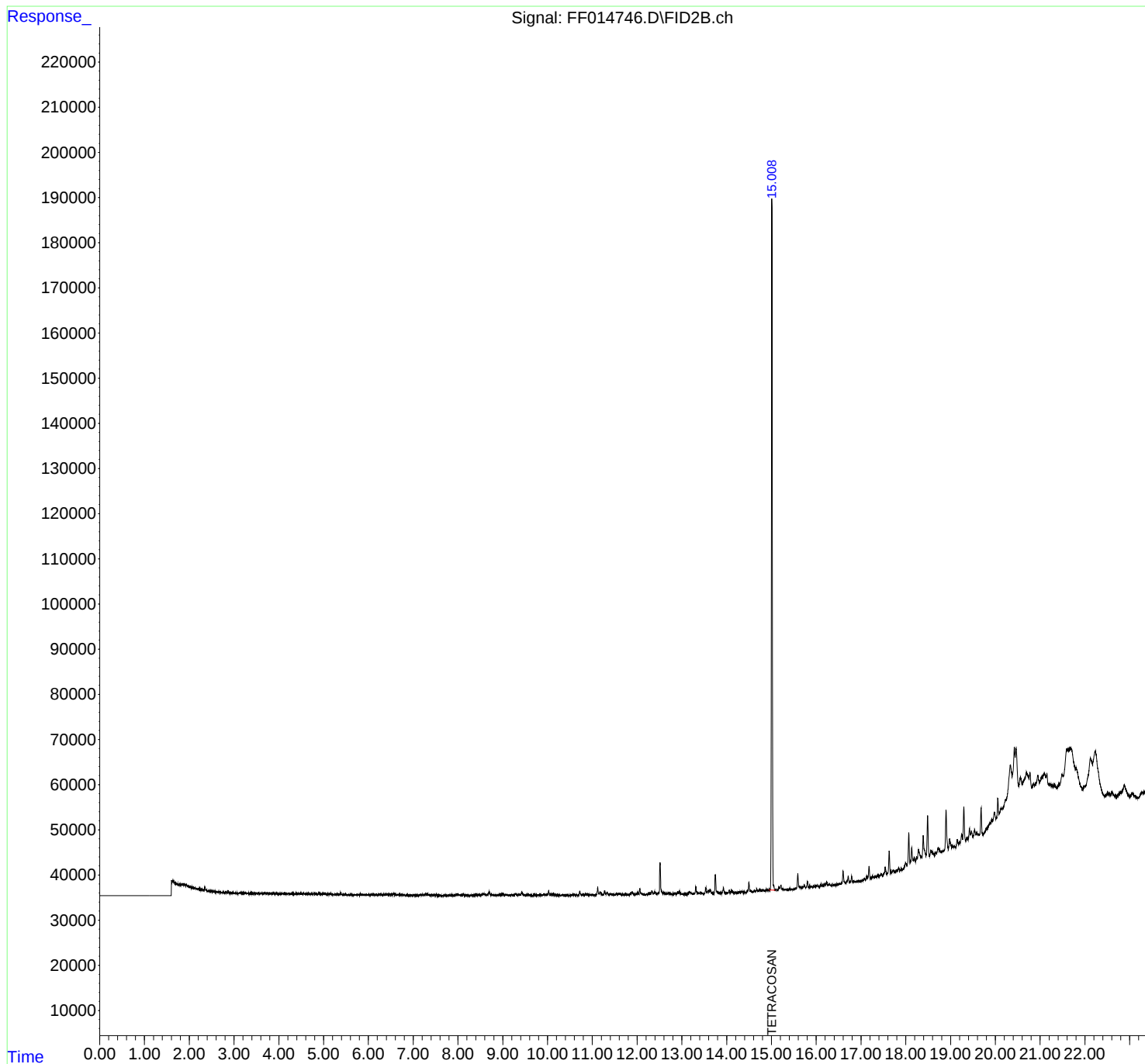
(m)=manual int.

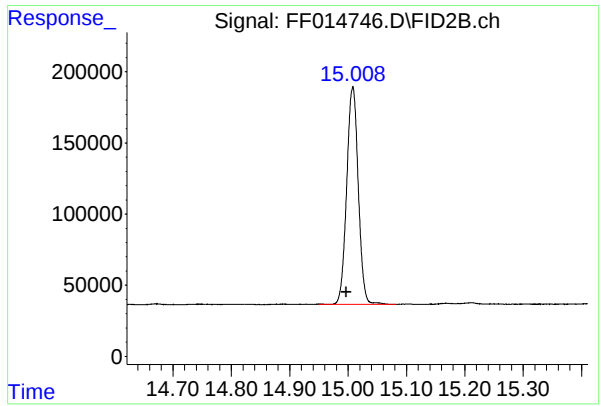
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
Data File : FF014746.D
Signal(s) : FID2B.ch
Acq On : 22 Oct 2024 20:41
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Oct 23 04:05:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.008 min
Delta R.T.: 0.011 min
Response: 2103135
Conc: 15.98 ug/ml

Instrument :
FID_F
ClientSampleId :
I.BLK

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
Data File : FF014746.D
Signal(s) : FID2B.ch
Acq On : 22 Oct 2024 20:41
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.008	14.950	15.082	BB	153501	2103135	100.00%	100.000%
Sum of corrected areas:						2103135		

FF102124.M Wed Oct 23 04:19:55 2024

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/23/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/23/24
Client Sample ID:	PIBLK-FF014749.D	SDG No.:	P4474
Lab Sample ID:	I.BLK-FF014749.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TPH GC
GPC Factor :		Injection Volume :	
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014749.D	1		10/23/24	FF102324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
PHC	Petroleum Hydrocarbons	9.00	U	9.00	85.0	ug/L
SURROGATES						
16416-32-3	TETRACOSANE-d50	22.6		29 - 130	113%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102324\
Data File : FF014749.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 07:14
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Oct 24 02:15:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.008	2970756	22.574 ug/ml

Target Compounds

(f)=RT Delta > 1/2 Window

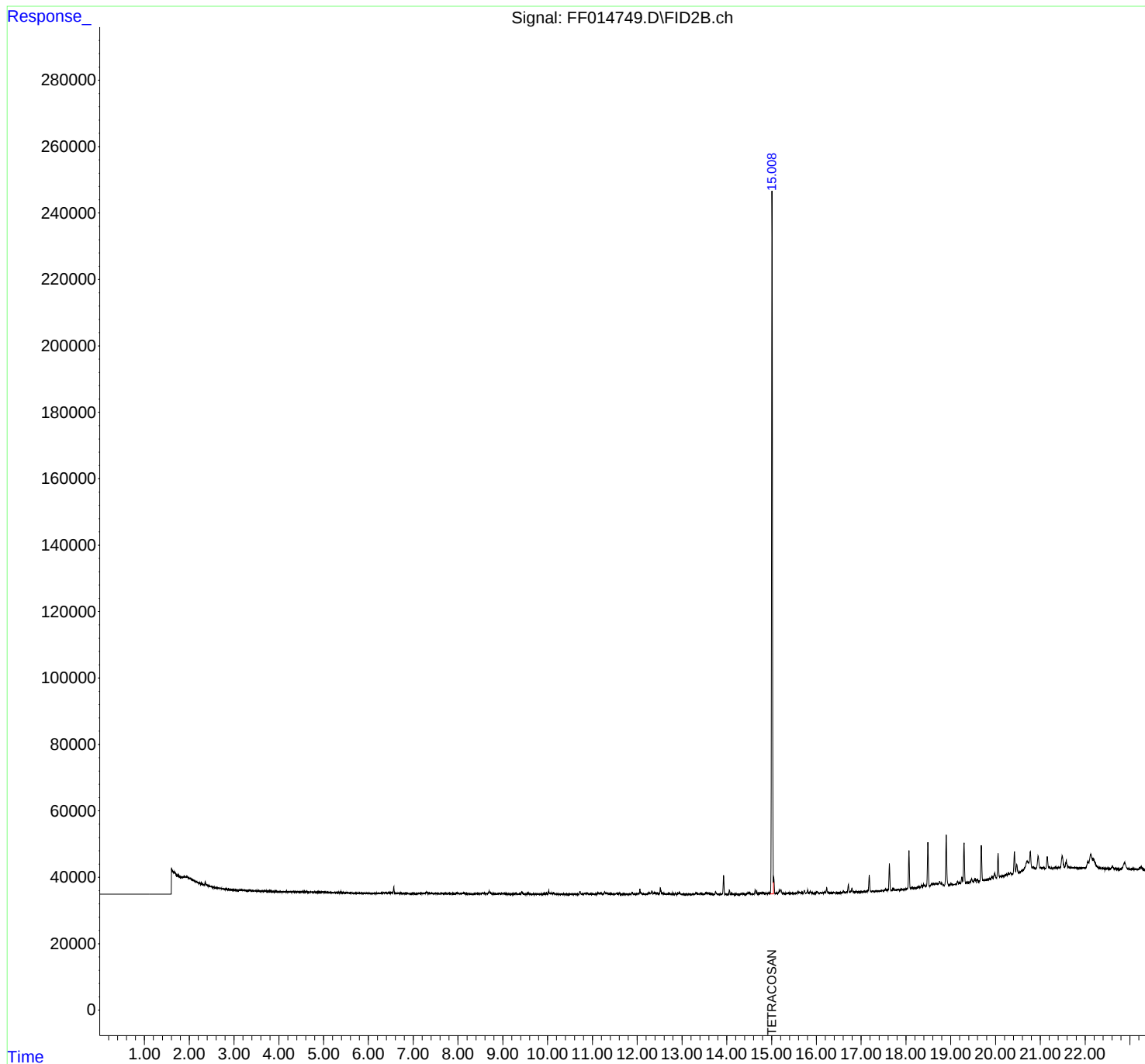
(m)=manual int.

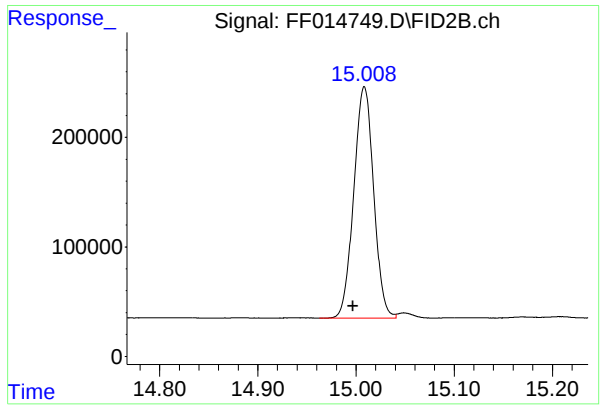
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102324\
Data File : FF014749.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 07:14
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Oct 24 02:15:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.008 min
Delta R.T.: 0.011 min
Response: 2970756
Conc: 22.57 ug/ml

Instrument :
FID_F
ClientSampleId :
I.BLK

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102324\
Data File : FF014749.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 07:14
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.008	14.962	15.041	BV	211357	2970756	100.00%	100.000%
Sum of corrected areas:						2970756		

FF102124.M Thu Oct 24 02:24:47 2024

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/23/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/23/24
Client Sample ID:	PIBLK-FF014753.D	SDG No.:	P4474
Lab Sample ID:	I.BLK-FF014753.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TPH GC
GPC Factor :		Injection Volume :	
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014753.D	1		10/23/24	FF102324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
PHC	Petroleum Hydrocarbons	9.00	U	9.00	85.0	ug/L
SURROGATES						
16416-32-3	TETRACOSANE-d50	16.3		29 - 130	82%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102324\
Data File : FF014753.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 09:10
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Oct 24 02:16:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.009	2148352	16.325 ug/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

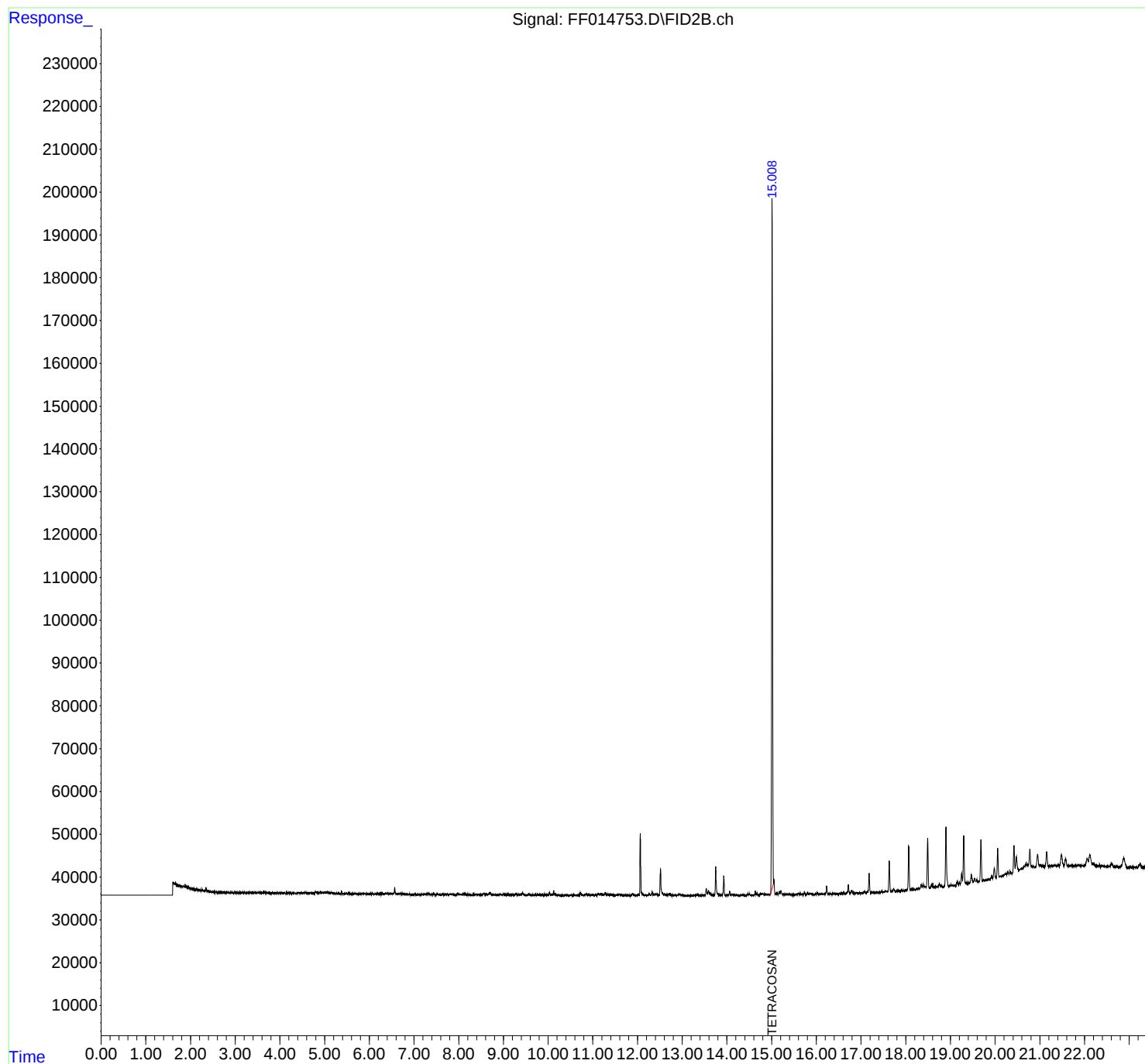
(m)=manual int.

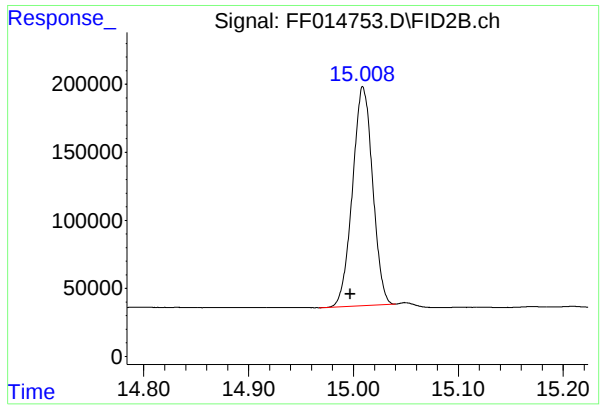
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102324\
Data File : FF014753.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 09:10
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Oct 24 02:16:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.009 min
Delta R.T.: 0.012 min
Response: 2148352
Conc: 16.32 ug/ml

Instrument :
FID_F
ClientSampleId :
I.BLK

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102324\
Data File : FF014753.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 09:10
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.009	14.967	15.040	BV	160871	2148352	100.00%	100.000%
Sum of corrected areas:						2148352		

FF102124.M Thu Oct 24 02:26:14 2024

Report of Analysis

Client:	Yannuzzi Group, Inc.		Date Collected:		
Project:	86 Davidson Road, Piscataway, NJ		Date Received:		
Client Sample ID:	PB164324BS		SDG No.:	P4474	
Lab Sample ID:	PB164324BS		Matrix:	SOIL	
Analytical Method:	8015D TPH		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	TPH GC	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014752.D	1	10/22/24 10:46	10/23/24 8:42	PB164324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	10600		318	2830	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	18.9		37 - 130	95%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102324\
 Data File : FF014752.D
 Signal(s) : FID2B.ch
 Acq On : 23 Oct 2024 08:42
 Operator : YP\AJ
 Sample : PB164324BS
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :

FID_F

ClientSampleId :

PB164324BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :Ankita Jodhani 10/24/2024

Integration File: autoint1.e
 Quant Time: Oct 24 02:15:59 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
 Quant Title :
 QLast Update : Tue Oct 22 08:35:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : Rxi-1ms
 Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.010	2490022	18.921 ug/ml
Target Compounds			
1) N-OCTANE	2.048	2667288	19.171 ug/ml
2) N-DECANE	4.570	3117848	21.825 ug/ml
3) N-DODECANE	6.732	3240688	22.332 ug/ml
4) N-TETRADECANE	8.557	3158207	21.545 ug/ml
5) N-HEXADECANE	10.163	3197917	21.762 ug/ml
6) N-OCTADECANE	11.605	3290124	21.915 ug/ml
7) N-EICOSANE	12.914	3223111	21.246 ug/ml
8) N-DOCOSANE	14.110	3171095	21.550 ug/ml
10) N-TETRACOSANE	15.214	3177314	21.619 ug/ml
11) N-HEXACOSANE	16.233	3116354	21.336 ug/ml
12) N-OCTACOSANE	17.183	3065780	21.218 ug/ml
13) N-TRIACONTANE	18.070	2931465	20.025 ug/ml
14) N-DOTRIACONTANE	18.901	2394840	16.646 ug/ml
15) N-TETRATRIACONTANE	19.684	1665146	12.142 ug/ml
16) N-HEXATRIACONTANE	20.421	1179357	9.091 ug/mlm
17) N-OCTATRIACONTANE	21.155	981290	8.532 ug/ml
18) N-TETRACONTANE	22.058	924310	8.803 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102324\
Data File : FF014752.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 08:42
Operator : YP\AJ
Sample : PB164324BS
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :

FID_F

Client Sample Id :

PB164324BS

Manual Integrations

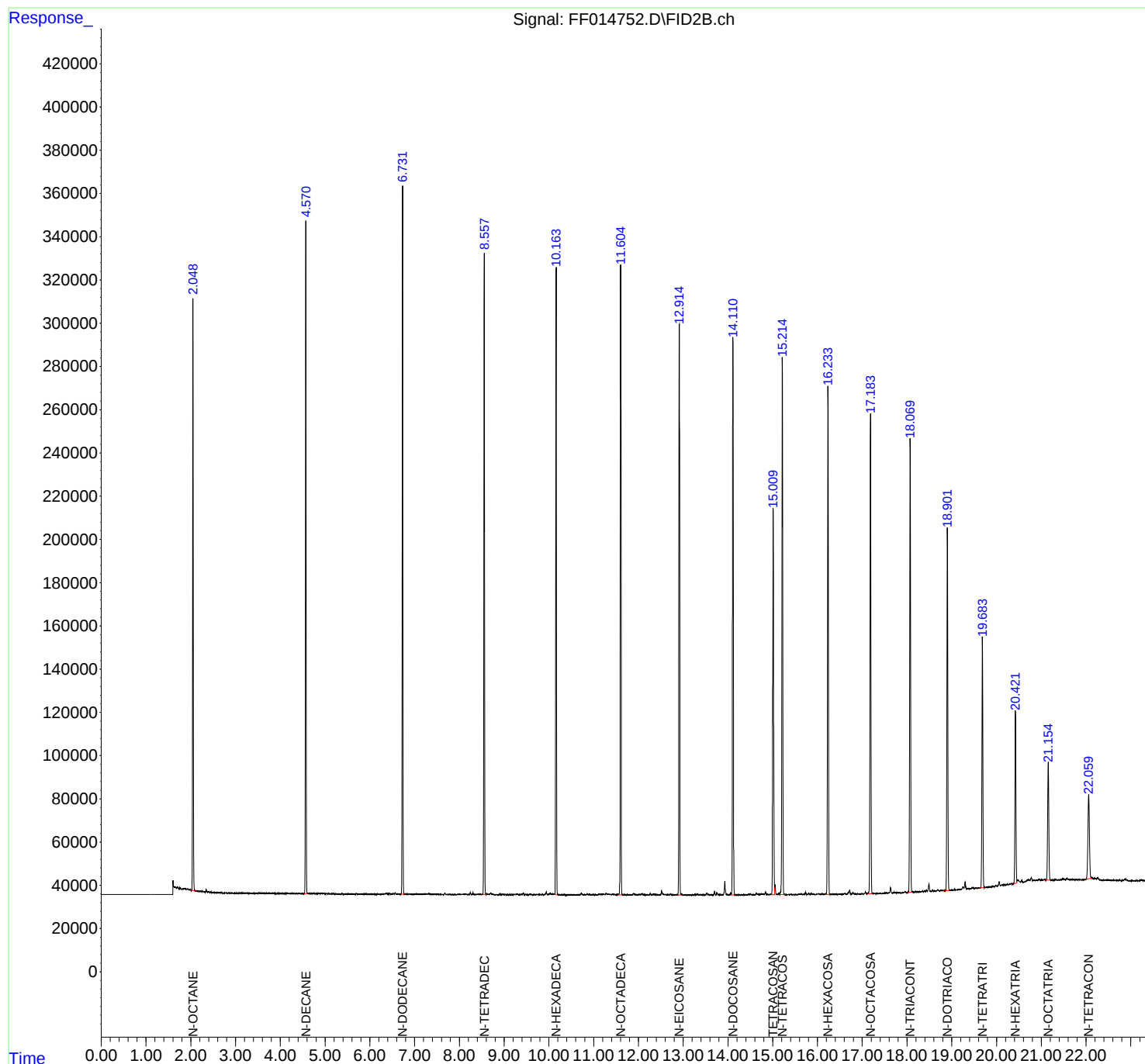
APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :Ankita Jodhani 10/24/2024

Integration File: autoint1.e
Quant Time: Oct 24 02:15:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um



Instrument :
FID_F
ClientSampleId :
PB164324BS
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :Ankita Jodhani 10/24/2024

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF10232
Data File : FF014752.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 08:42
Sample : PB164324BS
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.048	2.005	2.114	BB	274050	2667288	81.07%	5.681%
2	4.570	4.537	4.619	BB	310673	3117848	94.76%	6.641%
3	6.732	6.695	6.782	BB	326917	3240688	98.50%	6.903%
4	8.557	8.522	8.602	BB	296036	3158207	95.99%	6.727%
5	10.163	10.114	10.212	BB	289858	3197917	97.20%	6.812%
6	11.605	11.550	11.642	BB	292308	3290124	100.00%	7.008%
7	12.914	12.875	12.979	BB	264142	3223111	97.96%	6.865%
8	14.110	14.077	14.164	VB	257571	3171095	96.38%	6.754%
9	15.010	14.967	15.041	BV	178541	2490022	75.68%	5.304%
10	15.214	15.154	15.272	VB	248545	3177314	96.57%	6.768%
11	16.233	16.164	16.272	BB	234435	3116354	94.72%	6.638%
12	17.183	17.112	17.224	BB	220474	3065780	93.18%	6.530%
13	18.070	18.005	18.112	BB	210206	2931465	89.10%	6.244%
14	18.901	18.832	18.964	BB	167426	2394840	72.79%	5.101%
15	19.684	19.617	19.727	BB	115942	1665146	50.61%	3.547%
16	20.422	20.297	20.457	BV	78378	1135874	34.52%	2.419%
17	21.155	21.092	21.205	BB	54595	981290	29.83%	2.090%
18	22.058	21.972	22.140	BB	38947	924310	28.09%	1.969%
Sum of corrected areas:							46948673	

FF102124.M Thu Oct 24 02:25:57 2024

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/18/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TS-1MS	SDG No.:	P4474
Lab Sample ID:	P4473-01MS	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	48.8
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	1
GPC Factor :		PH :	
Prep Method :	SW3541	Decanted:	
		Test:	TPH GC
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014742.D	1	10/22/24 10:46	10/22/24 18:45	PB164324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	110000		650	5790	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	11.1		37 - 130	55%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
 Data File : FF014742.D
 Signal(s) : FID2B.ch
 Acq On : 22 Oct 2024 18:45
 Operator : YP\AJ
 Sample : P4473-01MS
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :

FID_F

ClientSampleId :

TS-1MS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 10/23/2024

Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
 Quant Time: Oct 23 04:04:44 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
 Quant Title :
 QLast Update : Tue Oct 22 08:35:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : Rxi-1ms
 Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.007	1458224	11.081 ug/mlm
Target Compounds			
1) N-OCTANE	2.048	1824253	13.112 ug/ml
2) N-DECANE	4.569	2268311	15.879 ug/ml
3) N-DODECANE	6.730	2509856	17.296 ug/ml
4) N-TETRADECANE	8.555	2590296	17.671 ug/ml
5) N-HEXADECANE	10.160	2732763	18.596 ug/ml
6) N-OCTADECANE	11.602	2991044	19.923 ug/ml
7) N-EICOSANE	12.912	2852923	18.806 ug/ml
8) N-DOCOSANE	14.109	2759867	18.755 ug/ml
10) N-TETRACOSANE	15.210	3007216	20.462 ug/ml
11) N-HEXACOSANE	16.231	2731715	18.702 ug/ml
12) N-OCTACOSANE	17.181	2791640	19.321 ug/ml
13) N-TRIACONTANE	18.068	2981966	20.370 ug/ml
14) N-DOTRIACONTANE	18.906	4616763	32.091 ug/ml
15) N-TETRATRIACONTANE	19.687	1389745	10.134 ug/mlm
16) N-HEXATRIACONTANE	20.422	878294	6.770 ug/ml
17) N-OCTATRIACONTANE	21.153	945809	8.223 ug/mlm
18) N-TETRACONTANE	22.059	740486	7.053 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
Data File : FF014742.D
Signal(s) : FID2B.ch
Acq On : 22 Oct 2024 18:45
Operator : YP\AJ
Sample : P4473-01MS
Misc :
ALS Vial : 65 Sample Multiplier: 1

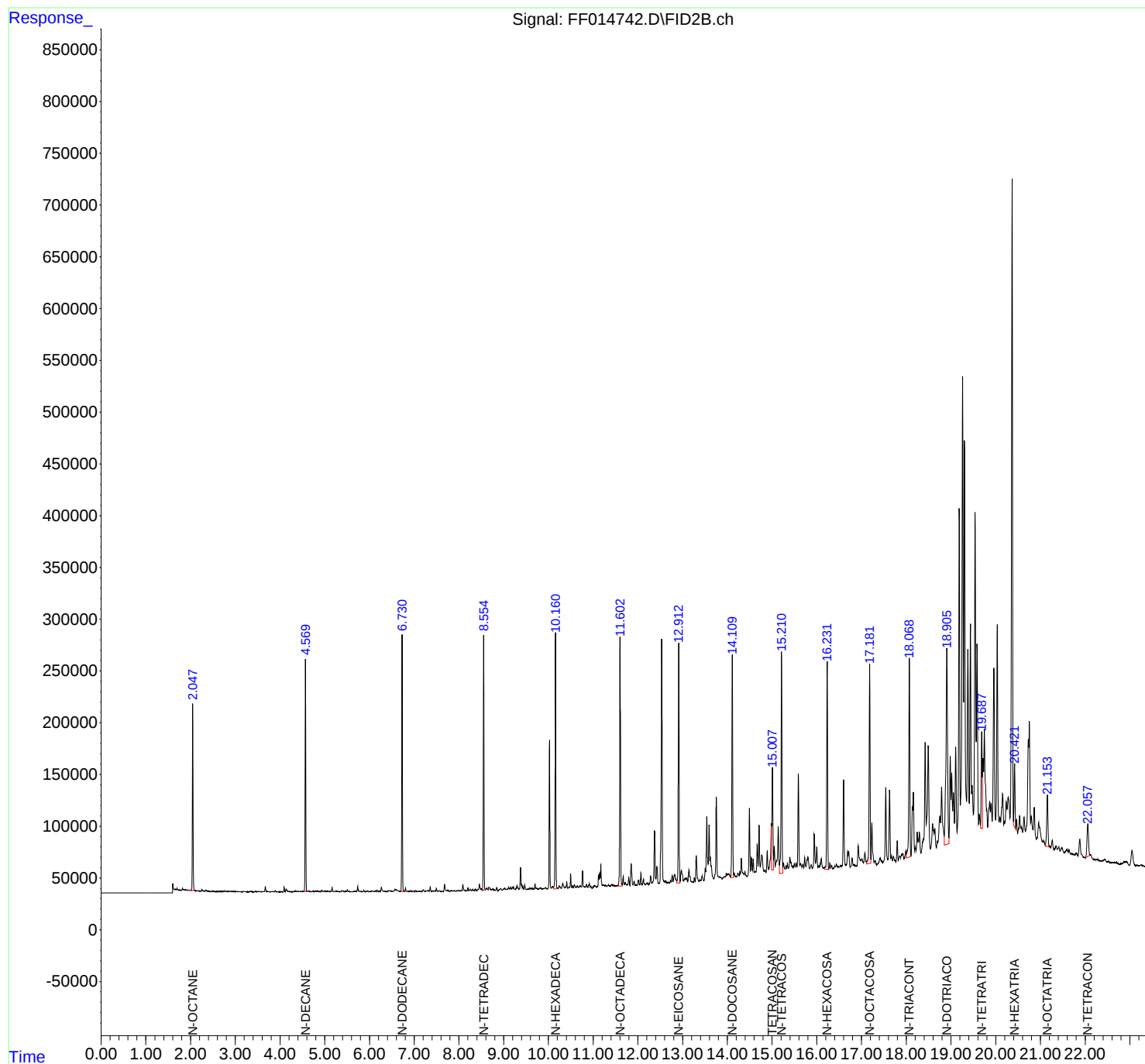
Instrument :
FID_F
ClientSampleId :
TS-1MS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
Quant Time: Oct 23 04:04:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um



Instrument :

FID_F

ClientSampleId :

TS-1MS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF10222

Data File : FF014742.D

Signal(s) : FID2B.ch

Acq On : 22 Oct 2024 18:45

Sample : P4473-01MS

Misc :

ALS Vial : 65 Sample Multiplier: 1

Reviewed By :Yogesh Patel 10/23/2024

Supervised By :Ankita Jodhani 10/23/2024

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M

Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	1.935	1.921	1.972	PV	326	2597	0.02%	0.001%
2	1.987	1.972	2.004	PV	416	4375	0.04%	0.002%
3	2.008	2.004	2.014	VV	86	490	0.00%	0.000%
4	2.048	2.014	2.111	PV	180571	1832258	15.91%	0.802%
5	2.121	2.111	2.148	VV	288	3895	0.03%	0.002%
6	2.157	2.148	2.199	VV	221	3743	0.03%	0.002%
7	2.220	2.199	2.237	PV	294	3828	0.03%	0.002%
8	2.248	2.237	2.318	VV	1505	25704	0.22%	0.011%
9	2.326	2.318	2.333	VV	262	1840	0.02%	0.001%
10	2.347	2.333	2.372	VV	1339	15814	0.14%	0.007%
11	2.380	2.372	2.409	VV	371	5623	0.05%	0.002%
12	2.412	2.409	2.439	VV	217	1916	0.02%	0.001%
13	2.453	2.439	2.462	PV	166	1382	0.01%	0.001%
14	2.465	2.462	2.473	VV	156	921	0.01%	0.000%
15	2.483	2.473	2.507	VV	335	4298	0.04%	0.002%
16	2.513	2.507	2.535	VV	283	2882	0.03%	0.001%
17	2.538	2.535	2.557	VV	184	1320	0.01%	0.001%
18	2.577	2.557	2.584	VV	160	1477	0.01%	0.001%
19	2.592	2.584	2.599	PV	145	750	0.01%	0.000%
20	2.626	2.599	2.635	VV	281	3760	0.03%	0.002%
21	2.639	2.635	2.652	VV	236	1470	0.01%	0.001%
22	2.677	2.652	2.699	VV	380	6284	0.05%	0.003%
23	2.702	2.699	2.716	VV	250	1702	0.01%	0.001%
24	2.744	2.716	2.793	VV	581	18138	0.16%	0.008%
25	2.799	2.793	2.823	VV	414	5215	0.05%	0.002%
26	2.832	2.823	2.880	VV	501	10459	0.09%	0.005%
27	2.893	2.880	2.917	VV	694	9262	0.08%	0.004%
28	2.939	2.917	2.957	VV	438	7532	0.07%	0.003%
29	2.962	2.957	2.966	VV	334	1436	0.01%	0.001%
30	2.977	2.966	3.000	VV	362	5764	0.05%	0.003%
31	3.009	3.000	3.026	VV	284	3122	0.03%	0.001%
32	3.031	3.026	3.043	VV	153	875	0.01%	0.000%
33	3.057	3.043	3.079	VV	435	4772	0.04%	0.002%
34	3.091	3.079	3.106	VV	182	1792	0.02%	0.001%
35	3.110	3.106	3.115	VV	89	442	0.00%	0.000%
36	3.126	3.115	3.147	VV	152	1616	0.01%	0.001%

					retention			
37	3.185	3.147	3.211	VV	629	10194	0.09%	0.004%
38	3.218	3.211	3.237	VV	210	2631		
39	3.242	3.237	3.270	VV	157	1418		
40	3.277	3.270	3.298	VV	189	1267		
41	3.321	3.298	3.329	PV	359	3167		
42	3.342	3.329	3.392	VV	596	9165		
43	3.397	3.392	3.401	VV	113	459	0.00%	0.000%
44	3.422	3.401	3.427	VV	192	1985	0.02%	0.001%
45	3.455	3.427	3.484	VV	333	6912	0.06%	0.003%
46	3.500	3.484	3.509	VV	241	2886	0.03%	0.001%
47	3.512	3.509	3.533	VV	305	3716	0.03%	0.002%
48	3.536	3.533	3.544	VV	323	1596	0.01%	0.001%
49	3.550	3.544	3.558	VV	252	1948	0.02%	0.001%
50	3.564	3.558	3.575	VV	261	1783	0.02%	0.001%
51	3.579	3.575	3.583	VV	148	532	0.00%	0.000%
52	3.604	3.583	3.626	VV	491	7113	0.06%	0.003%
53	3.631	3.626	3.642	VV	240	1289	0.01%	0.001%
54	3.673	3.642	3.708	VV	5039	63006	0.55%	0.028%
55	3.717	3.708	3.735	VV	333	3877	0.03%	0.002%
56	3.750	3.735	3.756	VV	234	2175	0.02%	0.001%
57	3.761	3.756	3.778	VV	295	2436	0.02%	0.001%
58	3.780	3.778	3.785	VV	179	604	0.01%	0.000%
59	3.795	3.785	3.816	VV	225	3344	0.03%	0.001%
60	3.823	3.816	3.838	VV	480	4358	0.04%	0.002%
61	3.844	3.838	3.868	VV	282	3437	0.03%	0.002%
62	3.890	3.868	3.924	VV	1067	14396	0.12%	0.006%
63	3.933	3.924	3.937	VV	160	965	0.01%	0.000%
64	3.943	3.937	3.973	VV	161	2882	0.03%	0.001%
65	3.977	3.973	3.982	VV	71	259	0.00%	0.000%
66	4.003	3.982	4.015	VV	183	1612	0.01%	0.001%
67	4.029	4.015	4.059	VV	228	3519	0.03%	0.002%
68	4.066	4.059	4.073	VV	155	546	0.00%	0.000%
69	4.093	4.073	4.113	PV	4453	42161	0.37%	0.018%
70	4.139	4.113	4.192	VV	2879	51487	0.45%	0.023%
71	4.211	4.192	4.238	VV	353	7715	0.07%	0.003%
72	4.243	4.238	4.256	VV	156	939	0.01%	0.000%
73	4.268	4.256	4.273	VV	99	702	0.01%	0.000%
74	4.291	4.273	4.306	VV	442	4665	0.04%	0.002%
75	4.310	4.306	4.319	VV	339	2089	0.02%	0.001%
76	4.340	4.319	4.378	VV	800	16663	0.14%	0.007%
77	4.395	4.378	4.438	VV	744	15143	0.13%	0.007%
78	4.460	4.438	4.481	VV	598	8576	0.07%	0.004%
79	4.484	4.481	4.490	VV	256	1331	0.01%	0.001%
80	4.503	4.490	4.515	VV	460	4865	0.04%	0.002%
81	4.569	4.515	4.597	VV	224789	2281681	19.81%	0.999%
82	4.607	4.597	4.621	VV	856	8854	0.08%	0.004%
83	4.639	4.621	4.667	VV	916	14988	0.13%	0.007%
84	4.680	4.667	4.708	VV	590	8106	0.07%	0.004%
85	4.738	4.708	4.759	VV	1014	13605	0.12%	0.006%
86	4.788	4.759	4.808	VV	764	14963	0.13%	0.007%
87	4.827	4.808	4.836	VV	746	7763	0.07%	0.003%
88	4.850	4.836	4.873	VV	548	10185	0.09%	0.004%
89	4.885	4.873	4.909	VV	430	7813	0.07%	0.003%

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90	4.934	4.909	4.965	VV	1527	26495	0.23%	0.012%
91	4.987	4.965	5.008	VV	702	13524		
92	5.048	5.008	5.058	VV	743	16079		
93	5.065	5.058	5.092	VV	569	8825		
94	5.100	5.092	5.104	VV	399	2719		
95	5.119	5.104	5.141	VV	758	10583		
96	5.165	5.141	5.197	VV	4144	44446	0.39%	0.019%
97	5.208	5.197	5.232	VV	391	6673	0.06%	0.003%
98	5.250	5.232	5.300	VV	974	20101	0.17%	0.009%
99	5.313	5.300	5.337	VV	428	5472	0.05%	0.002%
100	5.353	5.337	5.366	PV	464	4673	0.04%	0.002%
101	5.382	5.366	5.411	VV	1234	16354	0.14%	0.007%
102	5.418	5.411	5.433	VV	461	4341	0.04%	0.002%
103	5.440	5.433	5.460	VV	405	4387	0.04%	0.002%
104	5.468	5.460	5.484	VV	274	2971	0.03%	0.001%
105	5.509	5.484	5.536	VV	2039	24309	0.21%	0.011%
106	5.558	5.536	5.598	VV	384	6093	0.05%	0.003%
107	5.602	5.598	5.606	PV	107	347	0.00%	0.000%
108	5.635	5.606	5.648	VV	366	5926	0.05%	0.003%
109	5.652	5.648	5.668	VV	303	2806	0.02%	0.001%
110	5.671	5.668	5.683	VV	243	1856	0.02%	0.001%
111	5.700	5.683	5.716	VV	765	8779	0.08%	0.004%
112	5.737	5.716	5.791	VV	5031	64873	0.56%	0.028%
113	5.802	5.791	5.812	VV	372	2944	0.03%	0.001%
114	5.822	5.812	5.841	VV	255	3235	0.03%	0.001%
115	5.871	5.841	5.918	VV	1094	15753	0.14%	0.007%
116	5.940	5.918	5.953	VV	890	10982	0.10%	0.005%
117	5.963	5.953	5.980	VV	748	7973	0.07%	0.003%
118	5.992	5.980	6.003	VV	348	3324	0.03%	0.001%
119	6.025	6.003	6.036	VV	481	5727	0.05%	0.003%
120	6.066	6.036	6.087	VV	761	14568	0.13%	0.006%
121	6.089	6.087	6.113	VV	311	3767	0.03%	0.002%
122	6.129	6.113	6.138	VV	629	6328	0.05%	0.003%
123	6.153	6.138	6.165	VV	1114	11684	0.10%	0.005%
124	6.177	6.165	6.198	VV	906	10594	0.09%	0.005%
125	6.228	6.198	6.247	VV	750	13781	0.12%	0.006%
126	6.267	6.247	6.300	VV	4283	62655	0.54%	0.027%
127	6.303	6.300	6.334	VV	811	9311	0.08%	0.004%
128	6.350	6.334	6.367	VV	564	7224	0.06%	0.003%
129	6.383	6.367	6.405	VV	589	7920	0.07%	0.003%
130	6.420	6.405	6.434	VV	1136	12047	0.10%	0.005%
131	6.452	6.434	6.456	VV	837	9565	0.08%	0.004%
132	6.461	6.456	6.480	VV	873	9101	0.08%	0.004%
133	6.497	6.480	6.516	VV	569	8791	0.08%	0.004%
134	6.520	6.516	6.531	VV	287	2447	0.02%	0.001%
135	6.568	6.531	6.580	VV	2333	33368	0.29%	0.015%
136	6.592	6.580	6.688	VV	1843	65851	0.57%	0.029%
137	6.730	6.688	6.785	VV	248375	2522382	21.90%	1.104%
138	6.806	6.785	6.837	VV	3519	37237	0.32%	0.016%
139	6.839	6.837	6.843	VV	285	1016	0.01%	0.000%
140	6.856	6.843	6.874	VV	501	5846	0.05%	0.003%
141	6.886	6.874	6.909	VV	398	5247	0.05%	0.002%

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					rteres				
142	6.923	6.909	6.948	VV	807	7608	0.07%	0.003%	
143	6.978	6.948	6.998	VV	756	12388			
144	7.012	6.998	7.021	VV	557	5181			
145	7.038	7.021	7.066	VV	1177	14701			
146	7.071	7.066	7.097	VV	231	2036			
147	7.109	7.097	7.117	PV	418	2950			
148	7.128	7.117	7.148	VV	504	6195	0.05%	0.003%	
149	7.158	7.148	7.171	VV	313	2453	0.02%	0.001%	
150	7.203	7.171	7.247	VV	1931	32748	0.28%	0.014%	
151	7.272	7.247	7.287	VV	696	12241	0.11%	0.005%	
152	7.317	7.287	7.336	VV	1043	19247	0.17%	0.008%	
153	7.359	7.336	7.389	VV	4694	53023	0.46%	0.023%	
154	7.405	7.389	7.410	VV	605	5529	0.05%	0.002%	
155	7.422	7.410	7.435	VV	819	9433	0.08%	0.004%	
156	7.448	7.435	7.477	VV	608	10874	0.09%	0.005%	
157	7.497	7.477	7.529	VV	3301	39364	0.34%	0.017%	
158	7.560	7.529	7.607	VV	801	20039	0.17%	0.009%	
159	7.611	7.607	7.614	PV	116	374	0.00%	0.000%	
160	7.626	7.614	7.643	VV	274	2759	0.02%	0.001%	
161	7.680	7.643	7.723	VV	6843	103919	0.90%	0.045%	
162	7.730	7.723	7.736	VV	652	5065	0.04%	0.002%	
163	7.752	7.736	7.777	VV	1281	18453	0.16%	0.008%	
164	7.807	7.777	7.815	VV	484	8920	0.08%	0.004%	
165	7.828	7.815	7.839	VV	864	9223	0.08%	0.004%	
166	7.850	7.839	7.881	VV	566	11273	0.10%	0.005%	
167	7.892	7.881	7.918	VV	742	11522	0.10%	0.005%	
168	7.922	7.918	7.936	VV	425	3225	0.03%	0.001%	
169	7.966	7.936	7.981	VV	841	13060	0.11%	0.006%	
170	7.996	7.981	8.027	VV	866	16113	0.14%	0.007%	
171	8.054	8.027	8.067	VV	662	10627	0.09%	0.005%	
172	8.090	8.067	8.118	VV	6724	84504	0.73%	0.037%	
173	8.130	8.118	8.149	VV	1073	13842	0.12%	0.006%	
174	8.162	8.149	8.184	VV	475	6877	0.06%	0.003%	
175	8.202	8.184	8.226	VV	3377	38194	0.33%	0.017%	
176	8.251	8.226	8.290	VV	2143	39190	0.34%	0.017%	
177	8.306	8.290	8.335	VV	1708	25728	0.22%	0.011%	
178	8.353	8.335	8.357	VV	1111	10464	0.09%	0.005%	
179	8.368	8.357	8.402	VV	1697	28315	0.25%	0.012%	
180	8.423	8.402	8.436	VV	1476	21966	0.19%	0.010%	
181	8.459	8.436	8.486	VV	6514	105819	0.92%	0.046%	
182	8.500	8.486	8.524	VV	2374	34310	0.30%	0.015%	
183	8.555	8.524	8.582	VV	247276	2615780	22.71%	1.145%	
184	8.588	8.582	8.600	VV	1695	16344	0.14%	0.007%	
185	8.619	8.600	8.646	VV	2668	52441	0.46%	0.023%	
186	8.671	8.646	8.707	VV	3475	85808	0.74%	0.038%	
187	8.715	8.707	8.732	VV	1684	18830	0.16%	0.008%	
188	8.756	8.732	8.774	VV	1896	29775	0.26%	0.013%	
189	8.786	8.774	8.817	VV	1155	18480	0.16%	0.008%	
190	8.846	8.817	8.879	VV	3198	46101	0.40%	0.020%	
191	8.912	8.879	8.920	PV	1410	19059	0.17%	0.008%	
192	8.938	8.920	8.966	VV	2200	34110	0.30%	0.015%	
193	9.001	8.966	9.014	VV	2000	30608	0.27%	0.013%	
194	9.028	9.014	9.048	VV	2415	34712	0.30%	0.015%	

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195	9.067	9.048	9.082	VV	1281	23196		
196	9.115	9.082	9.135	VV	3025	59683		
197	9.156	9.135	9.177	VV	2915	43798		
198	9.196	9.177	9.207	VV	3005	38529		
199	9.220	9.207	9.258	VV	3680	60762		
200	9.301	9.258	9.340	VV	4879	112296		
201	9.379	9.340	9.397	VV	21919	274228	2.38%	0.120%
202	9.404	9.397	9.418	VV	5749	57335	0.50%	0.025%
203	9.430	9.418	9.450	VV	3854	45856	0.40%	0.020%
204	9.473	9.450	9.506	VV	4714	66663	0.58%	0.029%
205	9.520	9.506	9.533	VV	742	9774	0.08%	0.004%
206	9.549	9.533	9.562	VV	923	13462	0.12%	0.006%
207	9.579	9.562	9.599	VV	1616	26720	0.23%	0.012%
208	9.613	9.599	9.626	VV	1933	23669	0.21%	0.010%
209	9.638	9.626	9.653	VV	1543	19199	0.17%	0.008%
210	9.662	9.653	9.679	VV	966	11560	0.10%	0.005%
211	9.702	9.679	9.728	VV	6099	76497	0.66%	0.033%
212	9.742	9.728	9.785	VV	1751	33154	0.29%	0.015%
213	9.817	9.785	9.835	VV	1810	36593	0.32%	0.016%
214	9.841	9.835	9.861	VV	1144	11984	0.10%	0.005%
215	9.901	9.861	9.905	VV	1085	19963	0.17%	0.009%
216	9.939	9.905	9.961	VV	2022	41832	0.36%	0.018%
217	10.026	9.961	10.065	VV	144351	1532673	13.31%	0.671%
218	10.094	10.065	10.112	VV	3114	58828	0.51%	0.026%
219	10.160	10.112	10.204	VV	247878	2753241	23.90%	1.205%
220	10.213	10.204	10.220	VV	803	7146	0.06%	0.003%
221	10.242	10.220	10.282	VV	3296	73222	0.64%	0.032%
222	10.323	10.282	10.367	VV	5953	131705	1.14%	0.058%
223	10.381	10.367	10.390	VV	1918	22635	0.20%	0.010%
224	10.411	10.390	10.436	VV	7262	95170	0.83%	0.042%
225	10.458	10.436	10.478	VV	1704	32758	0.28%	0.014%
226	10.499	10.478	10.521	VV	14496	166870	1.45%	0.073%
227	10.536	10.521	10.557	VV	3009	41336	0.36%	0.018%
228	10.582	10.557	10.609	VV	3909	73621	0.64%	0.032%
229	10.622	10.609	10.628	VV	1528	15530	0.13%	0.007%
230	10.645	10.628	10.662	VV	2891	43014	0.37%	0.019%
231	10.668	10.662	10.682	VV	1632	17447	0.15%	0.008%
232	10.707	10.682	10.734	VV	3030	64637	0.56%	0.028%
233	10.764	10.734	10.830	VV	16770	237543	2.06%	0.104%
234	10.852	10.830	10.877	VV	3904	63134	0.55%	0.028%
235	10.917	10.877	10.936	VV	4573	95399	0.83%	0.042%
236	10.950	10.936	10.982	VV	2304	31279	0.27%	0.014%
237	11.027	10.982	11.066	PV	2590	81697	0.71%	0.036%
238	11.069	11.066	11.082	VV	1296	11106	0.10%	0.005%
239	11.123	11.082	11.134	VV	12217	164559	1.43%	0.072%
240	11.146	11.134	11.157	VV	14087	156985	1.36%	0.069%
241	11.173	11.157	11.203	VV	22274	302783	2.63%	0.133%
242	11.212	11.203	11.234	VV	2498	43805	0.38%	0.019%
243	11.239	11.234	11.256	VV	2133	26087	0.23%	0.011%
244	11.272	11.256	11.305	VV	2490	52140	0.45%	0.023%
245	11.344	11.305	11.367	VV	2456	64144	0.56%	0.028%
246	11.379	11.367	11.390	VV	1609	17897	0.16%	0.008%

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rteres						Manual IntegrationsAPPROVED		
247	11.415	11.390	11.440	VV	2704	55552	0.48%	0.024%
248	11.452	11.440	11.482	VV	2292	38782		
249	11.502	11.482	11.517	VV	1371	22869		
250	11.533	11.517	11.548	VV	1375	20824		
251	11.602	11.548	11.651	VV	241555	3019357	26.06%	0.009%
252	11.671	11.651	11.699	VV	10113	143015		
253	11.717	11.699	11.750	VV	3949	74579	0.65%	0.033%
254	11.766	11.750	11.773	VV	1581	20075	0.17%	0.009%
255	11.795	11.773	11.819	VV	9379	121583	1.06%	0.053%
256	11.851	11.819	11.896	VV	21724	378394	3.29%	0.166%
257	11.916	11.896	11.937	VV	4487	56926	0.49%	0.025%
258	11.951	11.937	11.970	VV	1094	14369	0.12%	0.006%
259	12.013	11.970	12.040	VV	5346	99018	0.86%	0.043%
260	12.067	12.040	12.099	VV	12230	142955	1.24%	0.063%
261	12.125	12.099	12.170	VV	6121	98381	0.85%	0.043%
262	12.193	12.170	12.199	VV	1785	20869	0.18%	0.009%
263	12.214	12.199	12.238	VV	2128	33907	0.29%	0.015%
264	12.286	12.238	12.313	VV	8817	159907	1.39%	0.070%
265	12.373	12.313	12.402	VV	51858	831803	7.22%	0.364%
266	12.425	12.402	12.460	VV	17669	312353	2.71%	0.137%
267	12.477	12.460	12.481	VV	1192	14155	0.12%	0.006%
268	12.534	12.481	12.584	VV	237177	3534908	30.69%	1.548%
269	12.601	12.584	12.616	VV	3385	49014	0.43%	0.021%
270	12.628	12.616	12.652	VV	3225	43008	0.37%	0.019%
271	12.677	12.652	12.707	VV	1819	43692	0.38%	0.019%
272	12.729	12.707	12.746	VV	3358	48304	0.42%	0.021%
273	12.768	12.746	12.787	VV	7945	119307	1.04%	0.052%
274	12.824	12.787	12.868	VV	8899	263354	2.29%	0.115%
275	12.912	12.868	12.942	VV	232103	2870900	24.92%	1.257%
276	12.973	12.942	13.020	VV	12451	330555	2.87%	0.145%
277	13.045	13.020	13.056	VV	4401	72710	0.63%	0.032%
278	13.071	13.056	13.086	VV	4936	73752	0.64%	0.032%
279	13.097	13.086	13.114	VV	4352	52619	0.46%	0.023%
280	13.140	13.114	13.205	VV	12722	278619	2.42%	0.122%
281	13.211	13.205	13.217	VV	774	4904	0.04%	0.002%
282	13.224	13.217	13.240	VV	766	6721	0.06%	0.003%
283	13.261	13.240	13.278	PV	4775	55803	0.48%	0.024%
284	13.304	13.278	13.360	VV	25711	420646	3.65%	0.184%
285	13.393	13.360	13.411	VV	2442	48556	0.42%	0.021%
286	13.434	13.411	13.478	VV	5855	131938	1.15%	0.058%
287	13.504	13.478	13.515	VV	13586	169137	1.47%	0.074%
288	13.539	13.515	13.570	VV	62990	1050618	9.12%	0.460%
289	13.591	13.570	13.608	VV	55022	790596	6.86%	0.346%
290	13.617	13.608	13.693	VV	24099	580076	5.04%	0.254%
291	13.753	13.693	13.807	VV	81703	1258941	10.93%	0.551%
292	13.821	13.807	13.832	VV	4283	58816	0.51%	0.026%
293	13.844	13.832	13.882	VV	3895	92152	0.80%	0.040%
294	13.934	13.882	13.945	VV	3812	115794	1.01%	0.051%
295	13.977	13.945	13.991	VV	7138	143382	1.24%	0.063%
296	14.003	13.991	14.016	VV	6165	85751	0.74%	0.038%
297	14.024	14.016	14.071	VV	6336	174807	1.52%	0.077%
298	14.109	14.071	14.140	VV	217993	2870976	24.93%	1.257%
299	14.153	14.140	14.177	VV	7178	123087	1.07%	0.054%

300	14.182	14.177	14.206	VV	3830	60155	0.52%	0.026%
301	14.234	14.206	14.263	VV	6531	171351		
302	14.279	14.263	14.292	VV	7879	104972		
303	14.311	14.292	14.376	VV	20883	471177		
304	14.392	14.376	14.444	VV	7698	195069		
305	14.492	14.444	14.518	VV	68442	1019112		
306	14.538	14.518	14.558	VV	20846	347423	3.02%	0.152%
307	14.577	14.558	14.605	VV	19685	337184	2.93%	0.148%
308	14.611	14.605	14.616	VV	6612	42416	0.37%	0.019%
309	14.626	14.616	14.642	VV	7315	108402	0.94%	0.047%
310	14.667	14.642	14.687	VV	33113	524984	4.56%	0.230%
311	14.708	14.687	14.736	VV	52008	800492	6.95%	0.350%
312	14.772	14.736	14.816	VV	22931	727309	6.31%	0.318%
313	14.837	14.816	14.864	VV	8094	209202	1.82%	0.092%
314	14.890	14.864	14.920	VV	26789	489181	4.25%	0.214%
315	14.984	14.920	14.989	VV	52664	923615	8.02%	0.404%
316	15.007	14.989	15.031	VV	106793	1641142	14.25%	0.719%
317	15.048	15.031	15.070	VV	30720	496349	4.31%	0.217%
318	15.096	15.070	15.106	VV	16709	317137	2.75%	0.139%
319	15.137	15.106	15.162	VV	49727	924980	8.03%	0.405%
320	15.210	15.162	15.240	VV	218311	3191680	27.71%	1.397%
321	15.255	15.240	15.287	VV	13955	308546	2.68%	0.135%
322	15.312	15.287	15.325	VV	11225	216196	1.88%	0.095%
323	15.342	15.325	15.362	VV	13172	233263	2.03%	0.102%
324	15.397	15.362	15.413	VV	19461	404551	3.51%	0.177%
325	15.420	15.413	15.448	VV	14317	256070	2.22%	0.112%
326	15.455	15.448	15.475	VV	10163	154683	1.34%	0.068%
327	15.496	15.475	15.517	VV	12916	275957	2.40%	0.121%
328	15.537	15.517	15.558	VV	13314	274450	2.38%	0.120%
329	15.587	15.558	15.617	VV	99345	1518853	13.19%	0.665%
330	15.633	15.617	15.669	VV	12203	335390	2.91%	0.147%
331	15.687	15.669	15.708	VV	11736	235285	2.04%	0.103%
332	15.728	15.708	15.759	VV	17956	371898	3.23%	0.163%
333	15.801	15.759	15.840	VV	18357	631120	5.48%	0.276%
334	15.874	15.840	15.901	VV	10654	317555	2.76%	0.139%
335	15.942	15.901	15.972	VV	40331	801243	6.96%	0.351%
336	15.998	15.972	16.030	VV	27101	554439	4.81%	0.243%
337	16.049	16.030	16.060	VV	8888	153446	1.33%	0.067%
338	16.099	16.060	16.147	VV	16067	540618	4.69%	0.237%
339	16.160	16.147	16.172	VV	7235	104325	0.91%	0.046%
340	16.231	16.172	16.266	VV	206101	3036165	26.36%	1.329%
341	16.290	16.266	16.312	VV	10975	223026	1.94%	0.098%
342	16.329	16.312	16.357	VV	9085	192435	1.67%	0.084%
343	16.369	16.357	16.373	VV	6080	57795	0.50%	0.025%
344	16.378	16.373	16.383	VV	6039	36433	0.32%	0.016%
345	16.399	16.383	16.408	VV	7928	107538	0.93%	0.047%
346	16.438	16.408	16.458	VV	9736	245338	2.13%	0.107%
347	16.464	16.458	16.469	VV	7630	52730	0.46%	0.023%
348	16.476	16.469	16.505	VV	7654	156174	1.36%	0.068%
349	16.529	16.505	16.550	VV	8434	209033	1.81%	0.092%
350	16.598	16.550	16.654	VV	90918	1623145	14.09%	0.711%
351	16.689	16.654	16.702	VV	21251	406285	3.53%	0.178%

Instrument :

FID_F

ClientSampleId :

TS-1MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

rteres								
352	16.713	16.702	16.742	VV	21502	355339	3.08%	0.156%
353	16.789	16.742	16.820	VV	14988	446455		
354	16.840	16.820	16.873	VV	8371	244478		
355	16.890	16.873	16.896	VV	7272	96847		
356	16.925	16.896	16.985	VV	26617	829001		
357	17.011	16.985	17.035	VV	13497	361796		
358	17.040	17.035	17.047	VV	10174	74191	0.64%	0.032%
359	17.074	17.047	17.115	VV	19097	553931	4.81%	0.243%
360	17.181	17.115	17.208	VV	201115	3268430	28.38%	1.431%
361	17.230	17.208	17.284	VV	47994	1048543	9.10%	0.459%
362	17.299	17.284	17.334	VV	11083	293498	2.55%	0.128%
363	17.340	17.334	17.347	VV	7534	56563	0.49%	0.025%
364	17.353	17.347	17.358	VV	7623	51934	0.45%	0.023%
365	17.412	17.358	17.472	VV	12713	703139	6.10%	0.308%
366	17.479	17.472	17.485	VV	9587	69536	0.60%	0.030%
367	17.541	17.485	17.586	VV	81211	1644039	14.27%	0.720%
368	17.625	17.586	17.655	VV	78626	1467896	12.74%	0.643%
369	17.667	17.655	17.692	VV	14832	278329	2.42%	0.122%
370	17.714	17.692	17.764	VV	14251	501110	4.35%	0.219%
371	17.797	17.764	17.821	VV	29323	570256	4.95%	0.250%
372	17.854	17.821	17.874	VV	14248	405053	3.52%	0.177%
373	17.893	17.874	17.908	VV	15692	301693	2.62%	0.132%
374	17.921	17.908	17.952	VV	16718	383530	3.33%	0.168%
375	17.988	17.952	18.003	VV	18280	469442	4.08%	0.206%
376	18.068	18.003	18.104	VV	204809	3739390	32.46%	1.637%
377	18.137	18.104	18.144	VV	59920	891467	7.74%	0.390%
378	18.158	18.144	18.186	VV	75122	1244849	10.81%	0.545%
379	18.201	18.186	18.219	VV	21645	399103	3.46%	0.175%
380	18.244	18.219	18.260	VV	36402	700256	6.08%	0.307%
381	18.271	18.260	18.277	VV	27961	273438	2.37%	0.120%
382	18.293	18.277	18.329	VV	35892	825126	7.16%	0.361%
383	18.386	18.329	18.393	VV	29574	929914	8.07%	0.407%
384	18.422	18.393	18.447	VV	122564	2332752	20.25%	1.021%
385	18.490	18.447	18.540	VV	119446	3359958	29.17%	1.471%
386	18.587	18.540	18.623	VV	43766	1621603	14.08%	0.710%
387	18.638	18.623	18.675	VV	38693	923483	8.02%	0.404%
388	18.695	18.675	18.707	VV	26945	466347	4.05%	0.204%
389	18.749	18.707	18.768	VV	50187	1463294	12.70%	0.641%
390	18.789	18.768	18.848	VV	78329	2402423	20.86%	1.052%
391	18.906	18.848	18.953	VV	211932	6051882	52.54%	2.650%
392	18.983	18.953	19.000	VV	107992	1991273	17.29%	0.872%
393	19.016	19.000	19.038	VV	91711	1707091	14.82%	0.747%
394	19.055	19.038	19.079	VV	72577	1442925	12.53%	0.632%
395	19.104	19.079	19.135	VV	116265	2425190	21.05%	1.062%
396	19.184	19.135	19.209	VV	346293	6154920	53.44%	2.695%
397	19.259	19.209	19.280	VV	474162	9271324	80.49%	4.059%
398	19.301	19.280	19.348	VV	411112	7970925	69.20%	3.490%
399	19.377	19.348	19.407	VV	210446	4315089	37.46%	1.889%
400	19.434	19.407	19.460	VV	234781	4316273	37.47%	1.890%
401	19.472	19.460	19.500	VV	78622	1606240	13.94%	0.703%
402	19.539	19.500	19.563	VV	341457	6400077	55.56%	2.802%
403	19.584	19.563	19.617	VV	214177	4218371	36.62%	1.847%
404	19.636	19.617	19.658	VV	49906	1102744	9.57%	0.483%

Instrument :

FID_F

ClientSampleId :

TS-1MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024

Supervised By :Ankita Jodhani 10/23/2024

							Instrument : FID_F	
							ClientSampleId : TS-1MS	
rteres								
405	19.687	19.658	19.702	VV	129887	2350909	20.41%	1.029%
Manual IntegrationsAPPROVED								
406	19.715	19.702	19.729	VV	103967	1549118	13.00%	0.000%
407	19.745	19.729	19.794	VV	131850	3518398	30.59%	0.000%
408	19.798	19.794	19.820	VV	55737	727410	6.00%	0.000%
409	19.866	19.820	19.881	VV	61754	1937116	16.00%	0.000%
410	19.898	19.881	19.921	VV	60191	1272116	11.00%	0.000%
411	19.958	19.921	19.997	VV	190401	4611088	40.03%	2.019%
412	20.034	19.997	20.075	VV	232041	4726955	41.04%	2.070%
413	20.093	20.075	20.112	VV	45686	959795	8.33%	0.420%
414	20.154	20.112	20.181	VV	68329	2252023	19.55%	0.986%
415	20.199	20.181	20.208	VV	42460	662314	5.75%	0.290%
416	20.235	20.208	20.252	VV	60778	1401258	12.17%	0.614%
417	20.281	20.252	20.320	VV	65597	2338307	20.30%	1.024%
418	20.367	20.320	20.396	VV	661133	11518432	100.00%	5.043%
419	20.422	20.396	20.449	VV	97031	2012787	17.47%	0.881%
420	20.466	20.449	20.492	VV	42987	954084	8.28%	0.418%
421	20.534	20.492	20.567	VV	46908	1673366	14.53%	0.733%
422	20.573	20.567	20.600	VV	35308	658206	5.71%	0.288%
423	20.633	20.600	20.665	VV	44947	1428520	12.40%	0.625%
424	20.728	20.665	20.738	VV	119443	2770958	24.06%	1.213%
425	20.752	20.738	20.780	VV	137040	2334544	20.27%	1.022%
426	20.795	20.780	20.833	VV	45273	1241987	10.78%	0.544%
427	20.861	20.833	20.912	VV	53928	1661970	14.43%	0.728%
428	20.960	20.912	21.042	VV	38673	2234937	19.40%	0.979%
429	21.063	21.042	21.104	VV	21162	738498	6.41%	0.323%
430	21.154	21.104	21.231	VV	65059	2096341	18.20%	0.918%
431	21.263	21.231	21.300	VV	21149	673581	5.85%	0.295%
432	21.348	21.300	21.376	VV	15390	598674	5.20%	0.262%
433	21.408	21.376	21.440	VV	14132	488495	4.24%	0.214%
434	21.473	21.440	21.534	VV	13328	610137	5.30%	0.267%
435	21.593	21.534	21.622	VV	11383	520215	4.52%	0.228%
436	21.642	21.622	21.678	VV	9865	287784	2.50%	0.126%
437	21.688	21.678	21.765	VV	7019	333737	2.90%	0.146%
438	21.776	21.765	21.780	VV	6388	54993	0.48%	0.024%
439	21.805	21.780	21.836	VV	6962	207783	1.80%	0.091%
440	21.879	21.836	21.967	VV	20575	683545	5.93%	0.299%
441	21.975	21.967	22.004	VV	3068	57531	0.50%	0.025%
442	22.059	22.004	22.105	VV	34741	941933	8.18%	0.412%
443	22.114	22.105	22.187	VV	4850	126126	1.09%	0.055%
444	22.193	22.187	22.200	PBA	205	15392	0.13%	0.007%
Sum of corrected areas:						228403325		

FF102124.M Wed Oct 23 04:22:10 2024

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/18/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TS-1MSD	SDG No.:	P4474
Lab Sample ID:	P4473-01MSD	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	48.8
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	1
GPC Factor :		Test:	TPH GC
Prep Method :	SW3541	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014743.D	1	10/22/24 10:46	10/22/24 19:14	PB164324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	105000		650	5790	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	10.7		37 - 130	54%	SPK: 20

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 P = Indicates >25% difference for detected concentrations between the two GC columns
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
 Data File : FF014743.D
 Signal(s) : FID2B.ch
 Acq On : 22 Oct 2024 19:14
 Operator : YP\AJ
 Sample : P4473-01MSD
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 TS-1MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/23/2024
 Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
 Quant Time: Oct 23 04:04:54 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
 Quant Title :
 QLast Update : Tue Oct 22 08:35:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : Rxi-1ms
 Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.008	1413808	10.743 ug/mlm
Target Compounds			
1) N-OCTANE	2.047	1794598	12.898 ug/ml
2) N-DECANE	4.569	2227089	15.590 ug/ml
3) N-DODECANE	6.731	2458639	16.943 ug/ml
4) N-TETRADECANE	8.555	2534066	17.287 ug/ml
5) N-HEXADECANE	10.161	2667938	18.155 ug/ml
6) N-OCTADECANE	11.603	2941349	19.592 ug/ml
7) N-EICOSANE	12.912	2816972	18.569 ug/ml
8) N-DOCOSANE	14.109	2713821	18.443 ug/ml
10) N-TETRACOSANE	15.211	2939682	20.002 ug/ml
11) N-HEXACOSANE	16.231	2637679	18.059 ug/ml
12) N-OCTACOSANE	17.181	2834922	19.620 ug/ml
13) N-TRIACONTANE	18.069	2925941	19.987 ug/ml
14) N-DOTRIACONTANE	18.906	4483278	31.163 ug/ml
15) N-TETRATRIACONTANE	19.686	1350028	9.844 ug/mlm
16) N-HEXATRIACONTANE	20.423	857471	6.610 ug/ml
17) N-OCTATRIACONTANE	21.153	951715	8.275 ug/mlm
18) N-TETRACONTANE	22.061	877369	8.356 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
Data File : FF014743.D
Signal(s) : FID2B.ch
Acq On : 22 Oct 2024 19:14
Operator : YP\AJ
Sample : P4473-01MSD
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :

FID_F

ClientSampleId :

TS-1MSD

Manual Integrations

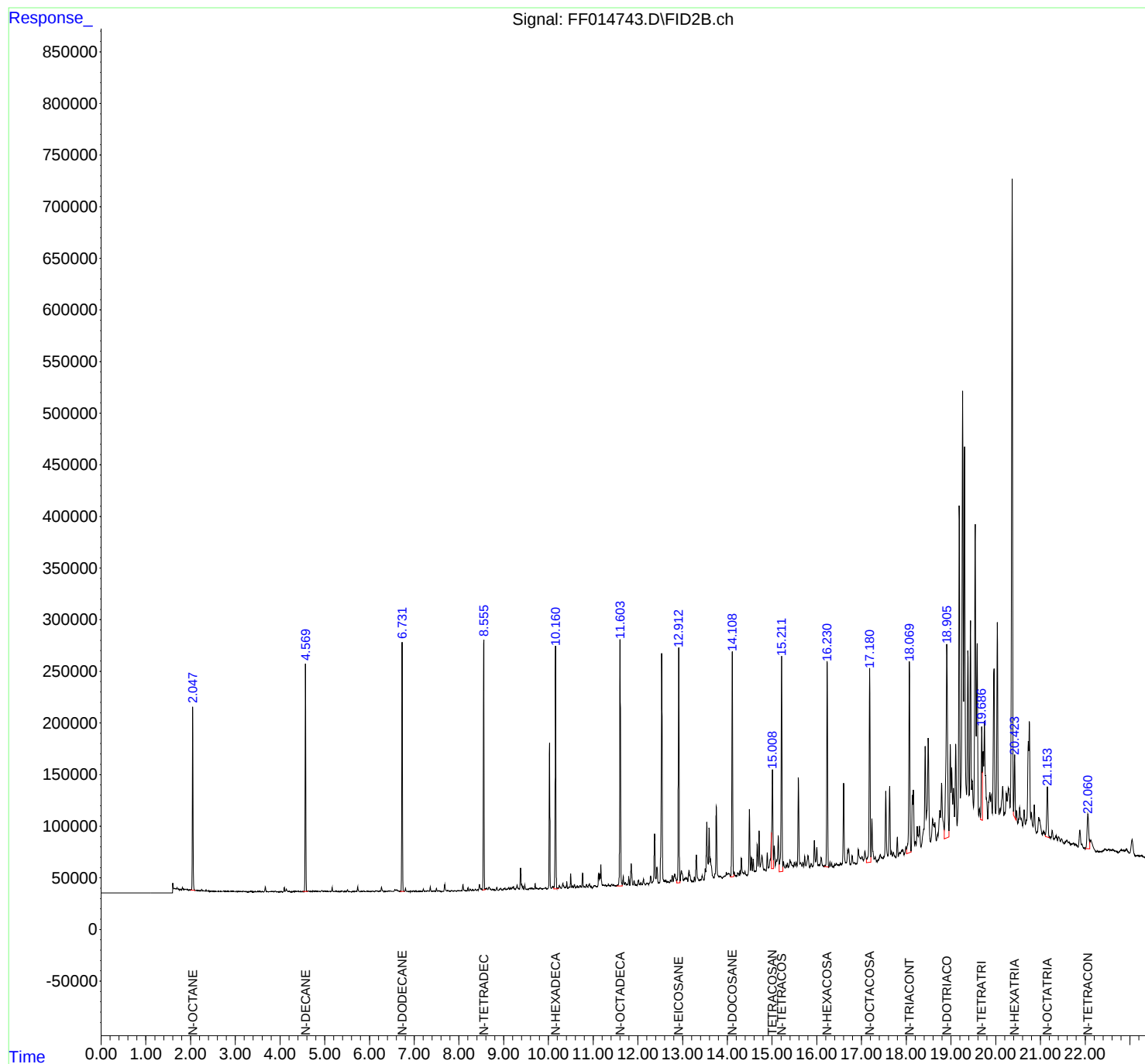
APPROVED

Reviewed By :Yogesh Patel 10/23/2024

Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
Quant Time: Oct 23 04:04:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um



rtres

Instrument :

FID_F

ClientSampleId :

TS-1MSD

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF10222

Data File : FF014743.D

Signal(s) : FID2B.ch

Acq On : 22 Oct 2024 19:14

Sample : P4473-01MSD

Misc :

ALS Vial : 66 Sample Multiplier: 1

Reviewed By :Yogesh Patel 10/23/2024

Supervised By :Ankita Jodhani 10/23/2024

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M

Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	1.932	1.912	1.970	BV	276	3449	0.03%	0.002%
2	1.984	1.970	2.013	PV	413	5516	0.05%	0.003%
3	2.047	2.013	2.109	VV	177487	1802627	15.81%	0.827%
4	2.122	2.109	2.133	VV	281	2588	0.02%	0.001%
5	2.135	2.133	2.150	VV	199	1475	0.01%	0.001%
6	2.153	2.150	2.177	VV	184	1998	0.02%	0.001%
7	2.184	2.177	2.203	VV	149	1157	0.01%	0.001%
8	2.218	2.203	2.234	PV	239	2741	0.02%	0.001%
9	2.245	2.234	2.325	VV	1437	24162	0.21%	0.011%
10	2.343	2.325	2.370	VV	1414	15171	0.13%	0.007%
11	2.385	2.370	2.436	VV	341	6728	0.06%	0.003%
12	2.443	2.436	2.449	VV	148	711	0.01%	0.000%
13	2.455	2.449	2.462	PV	147	765	0.01%	0.000%
14	2.479	2.462	2.502	VV	242	4053	0.04%	0.002%
15	2.512	2.502	2.543	VV	226	3376	0.03%	0.002%
16	2.546	2.543	2.568	VV	138	1646	0.01%	0.001%
17	2.569	2.568	2.576	VV	195	460	0.00%	0.000%
18	2.581	2.576	2.605	PV	135	1367	0.01%	0.001%
19	2.623	2.605	2.659	VV	365	6005	0.05%	0.003%
20	2.676	2.659	2.720	VV	327	6559	0.06%	0.003%
21	2.741	2.720	2.792	VV	629	16966	0.15%	0.008%
22	2.796	2.792	2.821	VV	378	4668	0.04%	0.002%
23	2.835	2.821	2.868	VV	446	8930	0.08%	0.004%
24	2.897	2.868	2.922	VV	536	11754	0.10%	0.005%
25	2.948	2.922	2.985	VV	460	11597	0.10%	0.005%
26	2.989	2.985	2.998	VV	279	1778	0.02%	0.001%
27	3.009	2.998	3.028	VV	329	4325	0.04%	0.002%
28	3.031	3.028	3.043	VV	219	1444	0.01%	0.001%
29	3.054	3.043	3.101	VV	449	7207	0.06%	0.003%
30	3.104	3.101	3.111	VV	150	718	0.01%	0.000%
31	3.124	3.111	3.135	VV	235	2010	0.02%	0.001%
32	3.155	3.135	3.159	VV	228	2254	0.02%	0.001%
33	3.183	3.159	3.212	VV	670	10942	0.10%	0.005%
34	3.224	3.212	3.240	VV	235	2843	0.02%	0.001%
35	3.247	3.240	3.257	VV	165	880	0.01%	0.000%
36	3.273	3.257	3.288	PV	141	1299	0.01%	0.001%

					retention			
37	3.291	3.288	3.296	VV	98	278	0.00%	0.000%
38	3.317	3.296	3.324	VV	300	2692	0.00%	0.000%
39	3.346	3.324	3.391	VV	575	10232	0.00%	0.000%
40	3.397	3.391	3.402	VV	136	662	0.00%	0.000%
41	3.406	3.402	3.410	VV	185	476	0.01%	0.000%
42	3.420	3.410	3.429	VV	147	1348	0.03%	0.001%
43	3.432	3.429	3.437	VV	189	603	0.03%	0.001%
44	3.446	3.437	3.459	VV	293	3179	0.02%	0.001%
45	3.462	3.459	3.484	VV	253	2665	0.03%	0.002%
46	3.499	3.484	3.510	VV	300	3301	0.04%	0.002%
47	3.527	3.510	3.541	VV	339	4887	0.04%	0.002%
48	3.545	3.541	3.584	VV	317	4673	0.06%	0.003%
49	3.603	3.584	3.625	VV	501	6676	0.05%	0.003%
50	3.672	3.625	3.698	VV	4953	62335	0.05%	0.003%
51	3.708	3.698	3.735	VV	374	5530	0.01%	0.001%
52	3.739	3.735	3.746	VV	163	1103	0.05%	0.003%
53	3.769	3.746	3.788	VV	344	5475	0.03%	0.002%
54	3.800	3.788	3.814	VV	321	3822	0.04%	0.002%
55	3.825	3.814	3.838	VV	412	4709	0.03%	0.002%
56	3.845	3.838	3.868	VV	365	3983	0.13%	0.007%
57	3.890	3.868	3.924	VV	1022	15221	0.02%	0.001%
58	3.930	3.924	3.942	VV	227	1968	0.03%	0.002%
59	3.952	3.942	3.987	VV	250	3661	0.01%	0.001%
60	3.998	3.987	4.010	VV	210	1445	0.04%	0.002%
61	4.021	4.010	4.073	VV	286	4732	0.36%	0.019%
62	4.095	4.073	4.113	PV	4327	41392	0.47%	0.025%
63	4.142	4.113	4.194	VV	2863	53685	0.07%	0.004%
64	4.211	4.194	4.236	VV	439	8185	0.01%	0.000%
65	4.238	4.236	4.249	VV	223	969	0.00%	0.000%
66	4.255	4.249	4.260	VV	135	546	0.06%	0.003%
67	4.291	4.260	4.307	VV	387	6940	0.03%	0.001%
68	4.317	4.307	4.322	VV	426	2865	0.15%	0.008%
69	4.339	4.322	4.375	VV	904	17376	0.14%	0.008%
70	4.395	4.375	4.434	VV	832	16491	0.09%	0.005%
71	4.460	4.434	4.486	VV	512	10064	0.08%	0.004%
72	4.500	4.486	4.527	VV	438	9035	19.63%	1.026%
73	4.569	4.527	4.597	VV	220803	2238475	0.09%	0.005%
74	4.608	4.597	4.622	VV	920	10137	0.14%	0.007%
75	4.638	4.622	4.666	VV	927	15831	0.08%	0.004%
76	4.681	4.666	4.708	VV	588	9502	0.14%	0.007%
77	4.736	4.708	4.759	VV	1046	15685	0.04%	0.002%
78	4.770	4.759	4.776	VV	618	4978	0.10%	0.005%
79	4.789	4.776	4.808	VV	759	11503	0.05%	0.003%
80	4.823	4.808	4.829	VV	569	6182	0.03%	0.002%
81	4.837	4.829	4.843	VV	546	3961	0.08%	0.004%
82	4.855	4.843	4.873	VV	606	9228	0.06%	0.003%
83	4.881	4.873	4.902	VV	487	6894	0.23%	0.012%
84	4.935	4.902	4.958	VV	1435	26366	0.02%	0.001%
85	4.961	4.958	4.967	VV	474	2314	0.13%	0.007%
86	4.985	4.967	5.007	VV	740	14375	0.07%	0.004%
87	5.029	5.007	5.035	VV	557	8424	0.14%	0.007%
88	5.046	5.035	5.085	VV	723	15591	0.04%	0.002%
89	5.090	5.085	5.105	VV	416	4484		

Instrument :

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TS-1MSD

Manual IntegrationsAPPROVED

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90	5.119	5.105	5.138	VV	703	9899	0.09%	0.005%
91	5.166	5.138	5.197	VV	4157	45544		
92	5.210	5.197	5.236	VV	437	7749		
93	5.252	5.236	5.297	VV	1065	20047		
94	5.312	5.297	5.318	VV	444	3879		
95	5.321	5.318	5.338	VV	386	2797		
96	5.354	5.338	5.368	VV	556	5698	0.05%	0.003%
97	5.382	5.368	5.402	VV	1119	14296	0.13%	0.007%
98	5.411	5.402	5.434	VV	479	6937	0.06%	0.003%
99	5.442	5.434	5.458	VV	335	3796	0.03%	0.002%
100	5.465	5.458	5.480	VV	305	2624	0.02%	0.001%
101	5.508	5.480	5.537	VV	2105	24950	0.22%	0.011%
102	5.554	5.537	5.569	VV	320	4600	0.04%	0.002%
103	5.573	5.569	5.599	VV	217	1883	0.02%	0.001%
104	5.630	5.599	5.655	VV	265	5961	0.05%	0.003%
105	5.672	5.655	5.685	VV	282	3655	0.03%	0.002%
106	5.700	5.685	5.714	VV	656	7478	0.07%	0.003%
107	5.737	5.714	5.784	VV	4861	62793	0.55%	0.029%
108	5.805	5.784	5.826	VV	331	4711	0.04%	0.002%
109	5.828	5.826	5.849	VV	225	1968	0.02%	0.001%
110	5.870	5.849	5.891	VV	1114	12601	0.11%	0.006%
111	5.899	5.891	5.917	VV	283	2873	0.03%	0.001%
112	5.943	5.917	5.954	VV	816	11281	0.10%	0.005%
113	5.963	5.954	5.982	VV	692	7547	0.07%	0.003%
114	5.990	5.982	6.006	VV	378	3340	0.03%	0.002%
115	6.020	6.006	6.037	VV	541	5673	0.05%	0.003%
116	6.051	6.037	6.056	VV	468	3948	0.03%	0.002%
117	6.068	6.056	6.107	VV	788	13280	0.12%	0.006%
118	6.129	6.107	6.142	VV	733	8818	0.08%	0.004%
119	6.154	6.142	6.168	VV	1036	11653	0.10%	0.005%
120	6.176	6.168	6.200	VV	885	10041	0.09%	0.005%
121	6.233	6.200	6.250	VV	774	14935	0.13%	0.007%
122	6.269	6.250	6.298	VV	4366	61319	0.54%	0.028%
123	6.300	6.298	6.338	VV	829	11398	0.10%	0.005%
124	6.348	6.338	6.368	VV	598	7263	0.06%	0.003%
125	6.387	6.368	6.401	VV	509	6820	0.06%	0.003%
126	6.421	6.401	6.436	VV	1094	12768	0.11%	0.006%
127	6.458	6.436	6.482	VV	929	18900	0.17%	0.009%
128	6.499	6.482	6.514	VV	627	7967	0.07%	0.004%
129	6.518	6.514	6.532	VV	343	2850	0.02%	0.001%
130	6.568	6.532	6.580	VV	2271	31493	0.28%	0.014%
131	6.598	6.580	6.687	VV	1769	65777	0.58%	0.030%
132	6.731	6.687	6.785	VV	241510	2474739	21.70%	1.135%
133	6.806	6.785	6.838	VV	3434	37829	0.33%	0.017%
134	6.859	6.838	6.873	VV	578	6654	0.06%	0.003%
135	6.887	6.873	6.907	VV	477	5321	0.05%	0.002%
136	6.925	6.907	6.947	PV	927	8790	0.08%	0.004%
137	6.977	6.947	6.998	VV	921	13726	0.12%	0.006%
138	7.011	6.998	7.022	VV	555	5910	0.05%	0.003%
139	7.039	7.022	7.058	VV	1266	14292	0.13%	0.007%
140	7.071	7.058	7.095	VV	289	3728	0.03%	0.002%
141	7.109	7.095	7.116	VV	371	2922	0.03%	0.001%

Instrument :

FID_F

ClientSampleId :

TS-1MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
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Parameters						Instrument :		
Peak No.						FID_F		
Retention Time						ClientSampleId :		
Area						TS-1MSD		
142	7.131	7.116	7.148	VV	523	6560	0.06%	0.003%
143	7.158	7.148	7.171	VV	431	2519	0.00%	0.000%
144	7.205	7.171	7.247	PV	2603	37515	0.00%	0.000%
145	7.274	7.247	7.287	VV	743	12635	0.00%	0.000%
146	7.316	7.287	7.336	VV	1038	19702	0.00%	0.000%
147	7.360	7.336	7.388	VV	4642	51728	0.00%	0.000%
148	7.422	7.388	7.436	VV	823	14723	0.13%	0.007%
149	7.448	7.436	7.460	VV	674	6967	0.06%	0.003%
150	7.463	7.460	7.480	VV	468	4645	0.04%	0.002%
151	7.498	7.480	7.527	VV	3273	38561	0.34%	0.018%
152	7.543	7.527	7.550	VV	754	7446	0.07%	0.003%
153	7.560	7.550	7.599	VV	772	12567	0.11%	0.006%
154	7.627	7.599	7.643	PV	266	3033	0.03%	0.001%
155	7.683	7.643	7.723	VV	6710	107001	0.94%	0.049%
156	7.753	7.723	7.778	VV	1258	22362	0.20%	0.010%
157	7.806	7.778	7.816	VV	517	8123	0.07%	0.004%
158	7.831	7.816	7.848	VV	803	10298	0.09%	0.005%
159	7.854	7.848	7.880	VV	570	7361	0.06%	0.003%
160	7.894	7.880	7.935	VV	629	12910	0.11%	0.006%
161	7.965	7.935	7.983	VV	788	11302	0.10%	0.005%
162	7.998	7.983	8.029	VV	707	13646	0.12%	0.006%
163	8.056	8.029	8.067	VV	585	9241	0.08%	0.004%
164	8.091	8.067	8.121	VV	6546	83682	0.73%	0.038%
165	8.131	8.121	8.152	VV	1005	12453	0.11%	0.006%
166	8.160	8.152	8.182	VV	435	4655	0.04%	0.002%
167	8.203	8.182	8.224	VV	3137	34115	0.30%	0.016%
168	8.250	8.224	8.287	VV	1913	35375	0.31%	0.016%
169	8.305	8.287	8.336	VV	1674	24720	0.22%	0.011%
170	8.354	8.336	8.359	VV	1081	9907	0.09%	0.005%
171	8.372	8.359	8.405	VV	1666	26321	0.23%	0.012%
172	8.424	8.405	8.438	VV	1319	20623	0.18%	0.009%
173	8.460	8.438	8.487	VV	6313	100479	0.88%	0.046%
174	8.500	8.487	8.525	VV	2335	33575	0.29%	0.015%
175	8.555	8.525	8.581	VV	242791	2555873	22.41%	1.172%
176	8.591	8.581	8.603	VV	1767	20135	0.18%	0.009%
177	8.620	8.603	8.648	VV	2538	49661	0.44%	0.023%
178	8.671	8.648	8.707	VV	3388	78873	0.69%	0.036%
179	8.715	8.707	8.734	VV	1572	17484	0.15%	0.008%
180	8.758	8.734	8.773	VV	1671	24191	0.21%	0.011%
181	8.785	8.773	8.815	VV	946	13838	0.12%	0.006%
182	8.847	8.815	8.882	VV	3098	43729	0.38%	0.020%
183	8.914	8.882	8.924	PV	1250	18288	0.16%	0.008%
184	8.939	8.924	8.968	VV	2018	28890	0.25%	0.013%
185	9.002	8.968	9.016	VV	1958	29513	0.26%	0.014%
186	9.028	9.016	9.050	VV	2128	30254	0.27%	0.014%
187	9.064	9.050	9.077	VV	1034	15181	0.13%	0.007%
188	9.115	9.077	9.135	VV	2729	58859	0.52%	0.027%
189	9.158	9.135	9.177	VV	2622	39847	0.35%	0.018%
190	9.196	9.177	9.208	VV	2828	36225	0.32%	0.017%
191	9.220	9.208	9.259	VV	3530	53802	0.47%	0.025%
192	9.302	9.259	9.319	VV	4789	85973	0.75%	0.039%
193	9.323	9.319	9.341	VV	1938	19246	0.17%	0.009%
194	9.380	9.341	9.398	VV	21085	268899	2.36%	0.123%

Manual IntegrationsAPPROVED

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					rters			
195	9.404	9.398	9.419	VV	5567	54274	0.48%	0.025%
196	9.431	9.419	9.452	VV	3614	42546		
197	9.474	9.452	9.503	VV	4478	59875		
198	9.521	9.503	9.533	VV	521	7822		
199	9.546	9.533	9.563	VV	823	11512		
200	9.579	9.563	9.603	VV	1401	25388		
201	9.615	9.603	9.631	VV	1693	20604	0.18%	0.009%
202	9.639	9.631	9.655	VV	1347	14470	0.13%	0.007%
203	9.664	9.655	9.683	VV	779	9460	0.08%	0.004%
204	9.704	9.683	9.729	VV	5905	70921	0.62%	0.033%
205	9.744	9.729	9.780	VV	1498	27374	0.24%	0.013%
206	9.818	9.780	9.864	VV	1606	41617	0.36%	0.019%
207	9.904	9.864	9.908	VV	908	16221	0.14%	0.007%
208	9.940	9.908	9.965	VV	1812	34647	0.30%	0.016%
209	10.026	9.965	10.066	VV	141464	1489529	13.06%	0.683%
210	10.095	10.066	10.123	VV	2777	59901	0.53%	0.027%
211	10.161	10.123	10.212	VV	235253	2672306	23.43%	1.225%
212	10.216	10.212	10.224	VV	628	4226	0.04%	0.002%
213	10.244	10.224	10.286	VV	3240	63604	0.56%	0.029%
214	10.324	10.286	10.369	VV	5539	118845	1.04%	0.054%
215	10.382	10.369	10.392	VV	1685	19547	0.17%	0.009%
216	10.411	10.392	10.438	VV	7136	88081	0.77%	0.040%
217	10.458	10.438	10.463	VV	1557	14734	0.13%	0.007%
218	10.468	10.463	10.480	VV	1513	14564	0.13%	0.007%
219	10.500	10.480	10.522	VV	14458	159921	1.40%	0.073%
220	10.538	10.522	10.560	VV	2737	39089	0.34%	0.018%
221	10.584	10.560	10.610	VV	3795	66887	0.59%	0.031%
222	10.646	10.610	10.664	VV	2721	52476	0.46%	0.024%
223	10.670	10.664	10.683	VV	1385	14070	0.12%	0.006%
224	10.708	10.683	10.734	VV	2881	58020	0.51%	0.027%
225	10.765	10.734	10.828	VV	14679	214657	1.88%	0.098%
226	10.852	10.828	10.880	VV	3693	61006	0.53%	0.028%
227	10.919	10.880	10.938	VV	4169	87251	0.77%	0.040%
228	10.952	10.938	10.980	VV	2108	28475	0.25%	0.013%
229	11.032	10.980	11.085	PV	2411	91997	0.81%	0.042%
230	11.123	11.085	11.135	VV	13759	180356	1.58%	0.083%
231	11.147	11.135	11.158	VV	13506	152060	1.33%	0.070%
232	11.174	11.158	11.208	VV	21981	299471	2.63%	0.137%
233	11.218	11.208	11.232	VV	2504	33115	0.29%	0.015%
234	11.241	11.232	11.258	VV	2046	29404	0.26%	0.013%
235	11.275	11.258	11.308	VV	2357	49205	0.43%	0.023%
236	11.342	11.308	11.365	VV	2476	59921	0.53%	0.027%
237	11.378	11.365	11.393	VV	1460	19501	0.17%	0.009%
238	11.414	11.393	11.439	VV	2606	48213	0.42%	0.022%
239	11.455	11.439	11.485	VV	2330	38904	0.34%	0.018%
240	11.504	11.485	11.520	VV	1192	19115	0.17%	0.009%
241	11.536	11.520	11.548	VV	1401	18304	0.16%	0.008%
242	11.603	11.548	11.651	VV	239158	2957352	25.93%	1.356%
243	11.672	11.651	11.699	VV	9885	136984	1.20%	0.063%
244	11.719	11.699	11.752	VV	3518	70881	0.62%	0.033%
245	11.796	11.752	11.821	VV	9230	131361	1.15%	0.060%
246	11.852	11.821	11.894	VV	21519	358047	3.14%	0.164%

Instrument :

FID_F

ClientSampleId :

TS-1MSD

Manual IntegrationsAPPROVED

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Data							Instrument : FID_F	
Parameters							ClientSampleId : TS-1MSD	
247	11.916	11.894	11.937	VV	4641	56702	0.50%	0.026%
248	11.951	11.937	11.967	VV	942	9603	0.01%	0.001%
249	12.014	11.967	12.040	VV	5150	90527	0.04%	0.002%
250	12.065	12.040	12.087	VV	2554	35206	0.02%	0.001%
							Manual IntegrationsAPPROVED	
251	12.094	12.087	12.101	VV	702	5118	0.00%	0.000%
252	12.126	12.101	12.172	VV	5841	86291	0.04%	0.002%
253	12.193	12.172	12.203	VV	1468	17077	0.15%	0.008%
254	12.215	12.203	12.242	VV	1791	26961	0.24%	0.012%
255	12.286	12.242	12.314	VV	8316	147182	1.29%	0.067%
256	12.373	12.314	12.403	VV	48916	783454	6.87%	0.359%
257	12.426	12.403	12.460	VV	16444	290808	2.55%	0.133%
258	12.473	12.460	12.480	VV	1161	12457	0.11%	0.006%
259	12.535	12.480	12.586	VV	223460	3341579	29.30%	1.532%
260	12.601	12.586	12.616	VV	3387	48844	0.43%	0.022%
261	12.628	12.616	12.652	VV	3462	46799	0.41%	0.021%
262	12.676	12.652	12.707	VV	1937	46107	0.40%	0.021%
263	12.732	12.707	12.746	VV	3294	47730	0.42%	0.022%
264	12.768	12.746	12.788	VV	7430	111053	0.97%	0.051%
265	12.808	12.788	12.814	VV	6571	74112	0.65%	0.034%
266	12.826	12.814	12.867	VV	8774	176102	1.54%	0.081%
267	12.912	12.867	12.942	VV	227608	2816952	24.70%	1.292%
268	12.973	12.942	13.019	VV	11513	311906	2.73%	0.143%
269	13.045	13.019	13.055	VV	4069	64731	0.57%	0.030%
270	13.072	13.055	13.088	VV	4926	80255	0.70%	0.037%
271	13.098	13.088	13.116	VV	4213	49810	0.44%	0.023%
272	13.141	13.116	13.216	VV	11507	278792	2.44%	0.128%
273	13.226	13.216	13.241	VV	863	7274	0.06%	0.003%
274	13.262	13.241	13.280	PV	4848	54370	0.48%	0.025%
275	13.306	13.280	13.363	VV	26039	422472	3.70%	0.194%
276	13.395	13.363	13.413	VV	2165	42472	0.37%	0.019%
277	13.434	13.413	13.476	VV	5347	115837	1.02%	0.053%
278	13.505	13.476	13.517	VV	11806	157428	1.38%	0.072%
279	13.539	13.517	13.572	VV	56732	977685	8.57%	0.448%
280	13.592	13.572	13.609	VV	51129	721217	6.32%	0.331%
281	13.618	13.609	13.693	VV	21546	539631	4.73%	0.247%
282	13.753	13.693	13.809	VV	71484	1112352	9.75%	0.510%
283	13.822	13.809	13.836	VV	3596	52069	0.46%	0.024%
284	13.844	13.836	13.882	VV	3581	73702	0.65%	0.034%
285	13.906	13.882	13.913	VV	2480	38310	0.34%	0.018%
286	13.931	13.913	13.943	VV	3252	51628	0.45%	0.024%
287	13.979	13.943	13.993	VV	6619	133499	1.17%	0.061%
288	14.003	13.993	14.011	VV	5198	51671	0.45%	0.024%
289	14.024	14.011	14.037	VV	5426	79336	0.70%	0.036%
290	14.044	14.037	14.070	VV	5360	81679	0.72%	

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

300	14.538	14.518	14.559	VV	19066	309688		
301	14.577	14.559	14.606	VV	17532	286909		
302	14.628	14.606	14.641	VV	5748	114250		
303	14.667	14.641	14.686	VV	31175	474153		
304	14.709	14.686	14.733	VV	44393	668541		
305	14.772	14.733	14.818	VV	20109	644250		
306	14.839	14.818	14.867	VV	6668	167996	1.47%	0.077%
307	14.891	14.867	14.926	VV	22527	423119	3.71%	0.194%
308	14.956	14.926	14.962	VV	15857	255034	2.24%	0.117%
309	15.007	14.962	15.031	VV	101903	2007621	17.60%	0.921%
310	15.047	15.031	15.070	VV	28520	459121	4.03%	0.211%
311	15.097	15.070	15.108	VV	14513	285383	2.50%	0.131%
312	15.137	15.108	15.160	VV	38250	697774	6.12%	0.320%
313	15.212	15.160	15.240	VV	211750	3088434	27.08%	1.416%
314	15.256	15.240	15.294	VV	12308	278734	2.44%	0.128%
315	15.312	15.294	15.328	VV	9152	161656	1.42%	0.074%
316	15.342	15.328	15.364	VV	10904	184183	1.62%	0.084%
317	15.400	15.364	15.411	VV	13807	277952	2.44%	0.127%
318	15.418	15.411	15.449	VV	11483	221425	1.94%	0.102%
319	15.458	15.449	15.477	VV	8334	126445	1.11%	0.058%
320	15.497	15.477	15.519	VV	11072	225652	1.98%	0.103%
321	15.537	15.519	15.558	VV	10874	210451	1.85%	0.096%
322	15.587	15.558	15.621	VV	92595	1419364	12.45%	0.651%
323	15.634	15.621	15.670	VV	10105	259475	2.28%	0.119%
324	15.688	15.670	15.708	VV	10127	187972	1.65%	0.086%
325	15.729	15.708	15.756	VV	15926	296760	2.60%	0.136%
326	15.803	15.756	15.838	VV	16415	517210	4.54%	0.237%
327	15.875	15.838	15.902	VV	8451	242249	2.12%	0.111%
328	15.944	15.902	15.974	VV	30300	614535	5.39%	0.282%
329	15.999	15.974	16.033	VV	23818	469271	4.11%	0.215%
330	16.041	16.033	16.059	VV	6524	99004	0.87%	0.045%
331	16.098	16.059	16.140	VV	13467	406923	3.57%	0.187%
332	16.151	16.140	16.171	VV	5126	91747	0.80%	0.042%
333	16.231	16.171	16.268	VV	202503	2876392	25.22%	1.319%
334	16.293	16.268	16.313	VV	8502	154689	1.36%	0.071%
335	16.331	16.313	16.352	VV	7004	120330	1.06%	0.055%
336	16.360	16.352	16.377	VV	3746	52864	0.46%	0.024%
337	16.402	16.377	16.418	VV	5574	115527	1.01%	0.053%
338	16.436	16.418	16.458	VV	6762	136885	1.20%	0.063%
339	16.480	16.458	16.502	VV	5142	125601	1.10%	0.058%
340	16.531	16.502	16.554	VV	6493	173197	1.52%	0.079%
341	16.600	16.554	16.660	VV	83724	1441577	12.64%	0.661%
342	16.690	16.660	16.702	VV	18540	320732	2.81%	0.147%
343	16.713	16.702	16.745	VV	19666	316332	2.77%	0.145%
344	16.750	16.745	16.755	VV	4472	24557	0.22%	0.011%
345	16.790	16.755	16.817	VV	12964	298325	2.62%	0.137%
346	16.841	16.817	16.873	VV	6020	182264	1.60%	0.084%
347	16.878	16.873	16.893	VV	4869	57025	0.50%	0.026%
348	16.927	16.893	16.966	VV	18379	493092	4.32%	0.226%
349	16.970	16.966	16.987	VV	10210	120228	1.05%	0.055%
350	17.012	16.987	17.041	VV	11199	307909	2.70%	0.141%
351	17.075	17.041	17.115	VV	16151	481879	4.23%	0.221%

Instrument :

FID_F

ClientSampleId :

TS-1MSD

2.72% 0.142%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024

Supervised By :Ankita Jodhani 10/23/2024

						Instrument : FID_F		
						ClientSampleId : TS-1MSD		
rteres								
352	17.181	17.115	17.209	VV	192641	3103634	27.21%	1.423%
353	17.231	17.209	17.282	VV	46934	917821	8.42%	0.426%
354	17.306	17.282	17.341	VV	9445	269249	2.42%	0.126%
355	17.349	17.341	17.353	VV	5499	38695	0.61%	0.032%
						Manual IntegrationsAPPROVED		
						Reviewed By :Yogesh Patel 10/23/2024		
						Supervised By :Ankita Jodhani 10/23/2024		
356	17.412	17.353	17.443	VV	10923	448380	3.42%	0.702%
357	17.451	17.443	17.478	VV	8891	174330	1.27%	0.066%
358	17.541	17.478	17.592	VV	72482	1531023	13.42%	0.702%
359	17.628	17.592	17.656	VV	76784	1365159	11.97%	0.626%
360	17.669	17.656	17.690	VV	13548	236357	2.07%	0.108%
361	17.715	17.690	17.740	VV	12446	319482	2.80%	0.146%
362	17.749	17.740	17.770	VV	8930	144377	1.27%	0.066%
363	17.800	17.770	17.822	VV	27226	492898	4.32%	0.226%
364	17.860	17.822	17.871	VV	12153	321814	2.82%	0.148%
365	17.894	17.871	17.912	VV	14149	315501	2.77%	0.145%
366	17.924	17.912	17.950	VV	14741	291076	2.55%	0.133%
367	17.990	17.950	18.007	VV	17108	456475	4.00%	0.209%
368	18.069	18.007	18.106	VV	196326	3589763	31.48%	1.646%
369	18.136	18.106	18.146	VV	66073	979059	8.58%	0.449%
370	18.158	18.146	18.186	VV	71695	1161786	10.19%	0.533%
371	18.202	18.186	18.221	VV	21708	419051	3.67%	0.192%
372	18.244	18.221	18.267	VV	36150	771408	6.76%	0.354%
373	18.294	18.267	18.329	VV	36262	995827	8.73%	0.457%
374	18.389	18.329	18.396	VV	32961	982455	8.61%	0.450%
375	18.422	18.396	18.448	VV	112528	2193607	19.23%	1.006%
376	18.490	18.448	18.543	VV	120474	3372945	29.58%	1.547%
377	18.589	18.543	18.627	VV	41994	1625002	14.25%	0.745%
378	18.640	18.627	18.674	VV	38391	848639	7.44%	0.389%
379	18.698	18.674	18.710	VV	26710	524538	4.60%	0.241%
380	18.752	18.710	18.768	VV	49357	1402791	12.30%	0.643%
381	18.790	18.768	18.849	VV	75964	2345243	20.56%	1.075%
382	18.906	18.849	18.954	VV	209398	5902107	51.75%	2.706%
383	18.984	18.954	19.001	VV	112911	2036902	17.86%	0.934%
384	19.016	19.001	19.038	VV	90128	1631009	14.30%	0.748%
385	19.054	19.038	19.079	VV	69916	1455694	12.76%	0.667%
386	19.106	19.079	19.135	VV	112821	2356383	20.66%	1.080%
387	19.184	19.135	19.211	VV	343131	6068266	53.21%	2.782%
388	19.259	19.211	19.280	VV	451990	8844550	77.55%	4.055%
389	19.302	19.280	19.349	VV	399519	7688574	67.42%	3.525%
390	19.379	19.349	19.407	VV	202032	4191440	36.75%	1.922%
391	19.435	19.407	19.460	VV	230901	4248914	37.26%	1.948%
392	19.473	19.460	19.503	VV	75746	1684358	14.77%	0.772%
393	19.540	19.503	19.564	VV	323874	6188054	54.26%	2.837%
394	19.585	19.564	19.620	VV	208655	4134279	36.25%	1.896%
395	19.638	19.620	19.659	VV	47836	1047436	9.18%	0.480%
396	19.687	19.659	19.703	VV	127165	2303638	20.20%	1.056%
397	19.717	19.703	19.730	VV	103150	1509411	13.24%	0.692%
398	19.748	19.730	19.821	VV	132306	4250474	37.27%	1.949%
399	19.867	19.821	19.884	VV	62950	2028272	17.78%	0.930%
400	19.899	19.884	19.923	VV	60709	1264012	11.08%	0.580%
401	19.960	19.923	19.995	VV	181897	4369038	38.31%	2.003%
402	20.036	19.995	20.077	VV	226872	4732816	41.50%	2.170%
403	20.096	20.077	20.110	VV	46675	889432	7.80%	0.408%
404	20.155	20.110	20.184	VV	68124	2381728	20.88%	1.092%

						Instrument : FID_F		
						ClientSampleId : TS-1MSD		
405	20.203	20.184	20.210	VV	42547	667112	5.85%	0.306%
Manual IntegrationsAPPROVED								
406	20.236	20.210	20.256	VV	61019	1450243	12.78%	0.631%
407	20.281	20.256	20.321	VV	66355	2311886	20.78%	0.324%
408	20.368	20.321	20.397	VV	655588	11404465	100.00%	0.000%
409	20.423	20.397	20.450	VV	97666	2042395	17.88%	0.332%
410	20.466	20.450	20.492	VV	43371	940441	8.02%	0.306%
411	20.534	20.492	20.567	VV	46097	1685557	14.78%	0.773%
412	20.572	20.567	20.600	VV	35283	648217	5.68%	0.297%
413	20.635	20.600	20.665	VV	43568	1361743	11.94%	0.624%
414	20.729	20.665	20.739	VV	109159	2539394	22.27%	1.164%
415	20.752	20.739	20.782	VV	127808	2250547	19.73%	1.032%
416	20.797	20.782	20.833	VV	40060	1028445	9.02%	0.472%
417	20.862	20.833	20.917	VV	47392	1508002	13.22%	0.691%
418	20.961	20.917	21.044	VV	35174	1990679	17.46%	0.913%
419	21.065	21.044	21.110	VV	20518	774020	6.79%	0.355%
420	21.154	21.110	21.197	VV	64210	1747205	15.32%	0.801%
421	21.202	21.197	21.207	VV	15058	90072	0.79%	0.041%
422	21.211	21.207	21.234	VV	15133	235171	2.06%	0.108%
423	21.262	21.234	21.302	VV	21197	678101	5.95%	0.311%
424	21.347	21.302	21.380	VV	16103	660251	5.79%	0.303%
425	21.407	21.380	21.446	VV	14656	501692	4.40%	0.230%
426	21.469	21.446	21.532	VV	12580	524977	4.60%	0.241%
427	21.562	21.532	21.570	VV	9266	193117	1.69%	0.089%
428	21.594	21.570	21.625	VV	10725	318938	2.80%	0.146%
429	21.642	21.625	21.679	VV	8718	243588	2.14%	0.112%
430	21.702	21.679	21.714	VV	6806	137387	1.20%	0.063%
431	21.730	21.714	21.754	VV	7303	161223	1.41%	0.074%
432	21.760	21.754	21.766	VV	5859	38871	0.34%	0.018%
433	21.789	21.766	21.844	VV	5887	230879	2.02%	0.106%
434	21.881	21.844	21.916	VV	19386	481232	4.22%	0.221%
435	21.927	21.916	21.974	VV	5510	125939	1.10%	0.058%
436	21.979	21.974	22.007	VV	1924	28819	0.25%	0.013%
437	22.060	22.007	22.108	VV	34479	939008	8.23%	0.431%
438	22.128	22.108	22.200	VBA	8508	302555	2.65%	0.139%
Sum of corrected areas:						218090715		

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Manual Integration Report

Sample ID	ClientID ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
50 TRPH STD		FF014707.D	FF102124	N-DECANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-DOCOSANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-DODECANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-DOTRIACONTANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-EICOSANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-HEXACOSANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-HEXADECANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-HEXATRIACONTANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-OCTACOSANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-OCTADECANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-OCTANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-OCTATRIACONTANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-TETRACONTANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-TETRACOSANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-TETRADECANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-TETRATRIACONTANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-TRIACONTANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	TETRACOSANE-d50 (SURROGA	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly

Manual Integration Report

Sample ID	ClientID ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
P4473-01		FF014736.D	FF102224	TETRACOSANE-d50 (SURROGA	Ankita	10/23/2024 9:12:05 AM	Peak Integrated by Software incorrectly
P4474-01		FF014737.D	FF102224	TETRACOSANE-d50 (SURROGA	Ankita	10/23/2024 9:12:06 AM	Peak Integrated by Software incorrectly
50 PPM TRPH STD		FF014739.D	FF102224	N-OCTATRIACONTANE	Ankita	10/23/2024 9:12:08 AM	Peak Integrated by Software incorrectly
50 PPM TRPH STD		FF014739.D	FF102224	N-TETRACONTANE	Ankita	10/23/2024 9:12:08 AM	Peak Integrated by Software incorrectly
P4473-01MS		FF014742.D	FF102224	N-OCTATRIACONTANE	Ankita	10/23/2024 9:12:09 AM	Peak Integrated by Software incorrectly
P4473-01MS		FF014742.D	FF102224	N-TETRATRIACONTANE	Ankita	10/23/2024 9:12:09 AM	Peak Integrated by Software incorrectly
P4473-01MS		FF014742.D	FF102224	TETRACOSANE-d50 (SURROGA	Ankita	10/23/2024 9:12:09 AM	Peak Integrated by Software incorrectly
P4473-01MSD		FF014743.D	FF102224	N-OCTATRIACONTANE	Ankita	10/23/2024 9:12:11 AM	Peak Integrated by Software incorrectly
P4473-01MSD		FF014743.D	FF102224	N-TETRATRIACONTANE	Ankita	10/23/2024 9:12:11 AM	Peak Integrated by Software incorrectly
P4473-01MSD		FF014743.D	FF102224	TETRACOSANE-d50 (SURROGA	Ankita	10/23/2024 9:12:11 AM	Peak Integrated by Software incorrectly
P4473-01		FF014744.D	FF102224	TETRACOSANE-d50 (SURROGA	Ankita	10/23/2024 9:12:12 AM	Peak Integrated by Software incorrectly
P4474-01		FF014745.D	FF102224	TETRACOSANE-d50 (SURROGA	Ankita	10/23/2024 9:12:14 AM	Peak Integrated by Software incorrectly

Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
RT MARKER		FF014751.D	FF102324	N-OCTACOSANE	Ankita	10/24/2024 9:20:55 AM	Peak Integrated by Software incorrectly
PB164324BS		FF014752.D	FF102324	N-HEXATRIACONTANE	Ankita	10/24/2024 9:20:56 AM	Peak Integrated by Software incorrectly

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QC Batch ID # FF102124

Review By	yogesh	Review On	10/21/2024 1:40:56 PM
Supervise By	Ankita	Supervise On	10/22/2024 8:58:33 AM
SubDirectory	FF102124	HP Acquire Method	HP Processing Method FF102124
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23611,PP23613,PP23614,PP23615,PP23616		
CCC Internal Standard/PEM	PP23613		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23612,PP23617		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FF014704.D	21 Oct 2024 14:21	YP\AJ	Ok
2	I.BLK	FF014705.D	21 Oct 2024 14:50	YP\AJ	Ok
3	100 TRPH STD	FF014706.D	21 Oct 2024 15:19	YP\AJ	Ok
4	50 TRPH STD	FF014707.D	21 Oct 2024 15:48	YP\AJ	Ok,M
5	20 TRPH STD	FF014708.D	21 Oct 2024 16:17	YP\AJ	Ok
6	10 TRPH STD	FF014709.D	21 Oct 2024 16:46	YP\AJ	Ok
7	5 TRPH STD	FF014710.D	21 Oct 2024 17:15	YP\AJ	Ok
8	FF102124ICV	FF014711.D	21 Oct 2024 17:44	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QC Batch ID # FF102224

Review By	yogesh	Review On	10/22/2024 2:53:07 PM
Supervise By	Ankita	Supervise On	10/23/2024 9:12:24 AM
SubDirectory	FF102224	HP Acquire Method	HP Processing Method FF102124
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23611,PP23613,PP23614,PP23615,PP23616		
CCC Internal Standard/PEM	PP23613		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23612,PP23617		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FF014732.D	22 Oct 2024 08:28	YP\AJ	Ok
2	I.BLK	FF014733.D	22 Oct 2024 12:21	YP\AJ	Ok
3	50 PPM TRPH STD	FF014734.D	22 Oct 2024 12:50	YP\AJ	Ok
4	RT MARKER	FF014735.D	22 Oct 2024 14:53	YP\AJ	Ok
5	P4473-01	FF014736.D	22 Oct 2024 15:22	YP\AJ	Dilution
6	P4474-01	FF014737.D	22 Oct 2024 15:51	YP\AJ	Ok,M
7	I.BLK	FF014738.D	22 Oct 2024 16:20	YP\AJ	Ok
8	50 PPM TRPH STD	FF014739.D	22 Oct 2024 16:49	YP\AJ	Ok,M
9	PB164324BL	FF014740.D	22 Oct 2024 17:47	YP\AJ	Ok
10	PB164324BS	FF014741.D	22 Oct 2024 18:16	YP\AJ	Not Ok
11	P4473-01MS	FF014742.D	22 Oct 2024 18:45	YP\AJ	Ok,M
12	P4473-01MSD	FF014743.D	22 Oct 2024 19:14	YP\AJ	Ok,M
13	P4473-01	FF014744.D	22 Oct 2024 19:43	YP\AJ	Ok,M
14	P4474-01	FF014745.D	22 Oct 2024 20:12	YP\AJ	Not Ok
15	I.BLK	FF014746.D	22 Oct 2024 20:41	YP\AJ	Ok
16	50 PPM TRPH STD	FF014747.D	22 Oct 2024 21:39	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QC Batch ID # FF102324

Review By	yogesh	Review On	10/23/2024 9:18:24 AM
Supervise By	Ankita	Supervise On	10/24/2024 9:21:01 AM
SubDirectory	FF102324	HP Acquire Method	HP Processing Method FF102124
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23611,PP23613,PP23614,PP23615,PP23616		
CCC Internal Standard/PEM	PP23613		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23612,PP23617		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FF014748.D	23 Oct 2024 06:46	YP\AJ	Ok
2	I.BLK	FF014749.D	23 Oct 2024 07:14	YP\AJ	Ok
3	50 PPM TRPH STD	FF014750.D	23 Oct 2024 07:43	YP\AJ	Ok
4	RT MARKER	FF014751.D	23 Oct 2024 08:12	YP\AJ	Ok,M
5	PB164324BS	FF014752.D	23 Oct 2024 08:42	YP\AJ	Ok,M
6	I.BLK	FF014753.D	23 Oct 2024 09:10	YP\AJ	Ok
7	50 PPM TRPH STD	FF014754.D	23 Oct 2024 09:39	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QC Batch ID # FF102124

Review By	yogesh	Review On	10/21/2024 1:40:56 PM
Supervise By	Ankita	Supervise On	10/22/2024 8:58:33 AM
SubDirectory	FF102124	HP Acquire Method	HP Processing Method FF102124

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP23611,PP23613,PP23614,PP23615,PP23616
CCC Internal Standard/PEM	PP23613
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23612,PP23617

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2		FF014704.D	21 Oct 2024 14:21		YP\AJ	Ok
2	I.BLK		FF014705.D	21 Oct 2024 14:50		YP\AJ	Ok
3	100 TRPH STD		FF014706.D	21 Oct 2024 15:19		YP\AJ	Ok
4	50 TRPH STD		FF014707.D	21 Oct 2024 15:48		YP\AJ	Ok,M
5	20 TRPH STD		FF014708.D	21 Oct 2024 16:17		YP\AJ	Ok
6	10 TRPH STD		FF014709.D	21 Oct 2024 16:46		YP\AJ	Ok
7	5 TRPH STD		FF014710.D	21 Oct 2024 17:15		YP\AJ	Ok
8	FF102124ICV		FF014711.D	21 Oct 2024 17:44		YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QC Batch ID # FF102224

Review By	yogesh	Review On	10/22/2024 2:53:07 PM
Supervise By	Ankita	Supervise On	10/23/2024 9:12:24 AM
SubDirectory	FF102224	HP Acquire Method	HP Processing Method FF102124

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP23611,PP23613,PP23614,PP23615,PP23616
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23613 PP23612,PP23617

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2		FF014732.D	22 Oct 2024 08:28		YPIAJ	Ok
2	I.BLK		FF014733.D	22 Oct 2024 12:21		YPIAJ	Ok
3	50 PPM TRPH STD		FF014734.D	22 Oct 2024 12:50		YPIAJ	Ok
4	RT MARKER		FF014735.D	22 Oct 2024 14:53		YPIAJ	Ok
5	P4473-01		FF014736.D	22 Oct 2024 15:22	need 5x dilution	YPIAJ	Dilution
6	P4474-01		FF014737.D	22 Oct 2024 15:51		YPIAJ	Ok,M
7	I.BLK		FF014738.D	22 Oct 2024 16:20		YPIAJ	Ok
8	50 PPM TRPH STD		FF014739.D	22 Oct 2024 16:49		YPIAJ	Ok,M
9	PB164324BL		FF014740.D	22 Oct 2024 17:47		YPIAJ	Ok
10	PB164324BS		FF014741.D	22 Oct 2024 18:16	surrogate fail	YPIAJ	Not Ok
11	P4473-01MS		FF014742.D	22 Oct 2024 18:45		YPIAJ	Ok,M
12	P4473-01MSD		FF014743.D	22 Oct 2024 19:14		YPIAJ	Ok,M
13	P4473-01		FF014744.D	22 Oct 2024 19:43		YPIAJ	Ok,M
14	P4474-01		FF014745.D	22 Oct 2024 20:12	not required	YPIAJ	Not Ok
15	I.BLK		FF014746.D	22 Oct 2024 20:41		YPIAJ	Ok
16	50 PPM TRPH STD		FF014747.D	22 Oct 2024 21:39		YPIAJ	Ok

M : Manual Integration

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QC Batch ID # FF102324

Review By	yogesh	Review On	10/23/2024 9:18:24 AM
Supervise By	Ankita	Supervise On	10/24/2024 9:21:01 AM
SubDirectory	FF102324	HP Acquire Method	HP Processing Method FF102124

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP23611,PP23613,PP23614,PP23615,PP23616
CCC Internal Standard/PEM	PP23613
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23612,PP23617

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2		FF014748.D	23 Oct 2024 06:46		YP\AJ	Ok
2	I.BLK		FF014749.D	23 Oct 2024 07:14		YP\AJ	Ok
3	50 PPM TRPH STD		FF014750.D	23 Oct 2024 07:43		YP\AJ	Ok
4	RT MARKER		FF014751.D	23 Oct 2024 08:12		YP\AJ	Ok,M
5	PB164324BS		FF014752.D	23 Oct 2024 08:42		YP\AJ	Ok,M
6	I.BLK		FF014753.D	23 Oct 2024 09:10		YP\AJ	Ok
7	50 PPM TRPH STD		FF014754.D	23 Oct 2024 09:39		YP\AJ	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/23/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 16:30
In Date: 10/22/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 10/23/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133050

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
P4473-01	TS-1	1	1.15	8.77	9.92	5.43	48.8	
P4474-01	TS-2	2	1.13	8.66	9.79	5.3	48.2	
P4485-01	D20241001-01-04	3	1.14	8.83	9.97	6.28	58.2	
P4486-01	EO-03-102224	4	1.19	8.57	9.76	9.27	94.3	
P4486-02	EO-03-102224-E2	5	1.18	8.48	9.66	9.13	93.8	
P4487-01	BP-B5	6	1.12	8.64	9.76	8.94	90.5	
P4487-02	BP-B5-EPH	7	1.18	8.59	9.77	8.98	90.8	
P4487-03	BP-B5-VOC	8	1.18	8.56	9.74	8.94	90.7	
P4487-05	BP-F27	9	1.14	8.83	9.97	9.06	89.7	
P4487-06	BP-F27-EPH	10	1.14	8.52	9.66	8.85	90.5	
P4487-07	BP-B27-VOC	11	1.12	8.70	9.82	8.96	90.1	
P4488-01	OIL-1	12	1.00	1.00	2.00	2.00	100.0	oil sample
P4488-02	1017-B	13	1.00	1.00	2.00	2.00	100.0	oil sample
P4489-01	RT-2675	14	1.14	8.58	9.72	8.93	90.8	
P4489-02	RT-2675-E2	15	1.17	8.50	9.67	8.86	90.5	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-102224 WorkList ID : 184646 Department : Wet-Chemistry Date : 10-22-2024 08:07:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4473-01	TS-1	Solid	Percent Solids	Cool 4 deg C	YANN01	K61	10/18/2024	Chemtech -SO
P4474-01	TS-2	Solid	Percent Solids	Cool 4 deg C	YANN01	K61	10/18/2024	Chemtech -SO
P4485-01	D20241001-01-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	K62	10/22/2024	Chemtech -SO
P4486-01	EO-03-102224	Solid	Percent Solids	Cool 4 deg C	PSEG05	K62	10/22/2024	Chemtech -SO
P4486-02	EO-03-102224-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K62	10/22/2024	Chemtech -SO
P4487-01	BP-B5	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4487-02	BP-B5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4487-03	BP-B5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4487-05	BP-F27	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4487-06	BP-F27-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4487-07	BP-B27-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4488-01	OIL-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4488-02	1017-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4489-01	RT-2675	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4489-02	RT-2675-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO

Date/Time 10/22/24 15:40
 Raw Sample Received by: JP Weller
 Raw Sample Relinquished by: JP Weller

Date/Time 10/22/24 17:00
 Raw Sample Received by: JP Weller
 Raw Sample Relinquished by: JP Weller

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Solid

Welgh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RS

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 10/22/2024

Extraction Start Time : 10:46

Extraction End Date : 10/22/2024

Extraction End Time : 13:45

Concentration By: EH

Supervisor By : rajesh

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standarded Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Surrogate	1.0ML	20 PPM	PP23518
Spike Sol 1	1.0ML	20 PPM	PP23454
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2538
Baked Na2SO4	N/A	EP2551
Sand	N/A	E2865
Methylene Chloride	N/A	E3817
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/22/24	RP (Est. Lab)	T. p. Pest IPCB
13:50	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 10/22/2024

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164324BL	PB164324BL	TPH GC	30.01	N/A	ritesh	Evelyn	1			U5-1
PB164324BS	PB164324BS	TPH GC	30.03	N/A	ritesh	Evelyn	1			2
P4473-01	TS-1	TPH GC	30.04	N/A	ritesh	Evelyn	1	C		3
P4473-01MS	TS-1MS	TPH GC	30.09	N/A	ritesh	Evelyn	1	C		4
P4473-01MS D	TS-1MSD	TPH GC	30.07	N/A	ritesh	Evelyn	1	C		5
P4474-01	TS-2	TPH GC	30.03	N/A	ritesh	Evelyn	1	B		6

* Extracts relinquished on the same date as received.

2
10/24/24

164324
10/11/24

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4474 WorkList ID : 184659 Department : Extraction Date : 10-22-2024 10:43:57

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4473-01	TS-1	Solid	TPH GC	Cool 4 deg C	YANN01	K61	10/18/2024	8015D
P4474-01	TS-2	Solid	TPH GC	Cool 4 deg C	YANN01	K61	10/18/2024	8015D

Date/Time 10/22/24 10:05
Raw Sample Received by: RJ (Fat 1014)
Raw Sample Relinquished by: RJ (Fat 1014)

Date/Time 10/22/24 11:05
Raw Sample Received by: RJ (Fat 1014)
Raw Sample Relinquished by: RJ (Fat 1014)



SHIPPING DOCUMENTS

CHEMTECH CHAIN OF CUSTODY RECORD		284 Sheffield Street, Mountainside, NJ 07092 (908) 789-8900 Fax: (908) 78-8922 www.chemtech.net		Chemtech Project Number: P4474																			
				COC Number:																			
CLIENT INFORMATION		PROJECT INFORMATION		BILLING INFORMATION																			
COMPANY: Yannuzzi Group, Inc.		PROJECT NAME: Yannuzzi - 1		BILL TO: Yannuzzi Group, Inc. PO# 24007																			
ADDRESS: 135 Kinnelon Rd, Suite 102		PROJECT #1 LOCATION: Edison, NJ		ADDRESS: 135 Kinnelon Road, Suite 102																			
CITY Kinnelon STATE: NJ ZIP: 07405		PROJECT MANAGER: Rafael Nunez		CITY: Kinnelon STATE: NJ ZIP: 07405																			
ATTENTION: Rafael Nunez		E-MAIL: Rafael@yannuzzigroup.com		ATTENTION: Edgar Gavilanes PHONE: 908-218-0880																			
PHONE: 908-218-0880 FAX: 908-218-0884		PHONE: 908-864-3106 FAX: 908-218-0884																					
DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION		ANALYSIS																			
FAX: _____ Rush _____ DAYS* HARD COPY: _____ Rush _____ DAYS* EDD _____ Rush _____ DAYS* * TO BE APPROVED BY CHEMTECH STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS		☐ RESULTS ONLY ☐ USEPA CLP ☒ RESULTS + QC ☐ New York State ASP "B" ☐ New Jersey REDUCED ☐ New York State ASP "A" ☒ New Jersey CLP ☐ Other _____ ☐ EDD Format		<table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">TCLP+30</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH GC</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">VOC</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">SVOC</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">PCB</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">PES TIS IDE</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">ICP-TAL</td> <td></td> <td></td> </tr> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td> </tr> </table>		TCLP+30	TPH GC	VOC	SVOC	PCB	PES TIS IDE	ICP-TAL			1	2	3	4	5	6	7	8	9
TCLP+30	TPH GC	VOC	SVOC	PCB	PES TIS IDE	ICP-TAL																	
1	2	3	4	5	6	7	8	9															
				PRESERVATIVES																			
				<table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td> </tr> </table>		1	2	3	4	5	6	7	8	9									
1	2	3	4	5	6	7	8	9															
				COMMENTS																			
				← Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other																			
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	<table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <tr> <th colspan="2">SAMPLE TYPE</th> <th colspan="2">SAMPLE COLLECTION</th> <th rowspan="2" style="writing-mode: vertical-rl; transform: rotate(180deg);"># of Bottles</th> </tr> <tr> <th>COMP</th> <th>GRAB</th> <th>DATE</th> <th>TIME</th> </tr> </table>	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	COMP	GRAB	DATE	TIME											
SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles																			
COMP	GRAB	DATE	TIME																				
1. TS-2	TOPSOIL	Composite	X		10/18/24	10:05																	
2.																							
3.																							
4.																							
5.																							
6.																							
7.																							
8.																							
9.																							
10.																							
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY																							
RELINQUISHED BY SAMPLER		DATE/TIME		RECEIVED BY		15:00		Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp <u>30</u> MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?: _____ Comments:															
1.				1.		10/21/24																	
RELINQUISHED BY		DATE/TIME		RECEIVED BY																			
2.				2.				SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight CHEMTECH: ☐ Picked Up ☐ Overnight															
RELINQUISHED BY		DATE/TIME		RECEIVED FOR LAB BY																			
3.				3.				Shipment Complete ☐ YES ☐ NO															
WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY																							



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4474	YANN01	Order Date : 10/21/2024 3:19:00 PM	Project Mgr : Yazmeen
Client Name : Yannuzzi Group, Inc.		Project Name : Yannuzzi - TS-2	Report Type : Results+QC
Client Contact : Alyssa Yannuzzi		Receive DateTime : 10/21/2024 3:00:00 PM	EDD Type : EXCEL NJCLEANUP
Invoice Name : Yannuzzi Group, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Alyssa Yannuzzi			Date Signoff : 10/21/2024 4:15:19 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4474-01	TS-2	Solid	10/18/2024	10:05	VOC-TCLVOA-10	TCL+30/TAL	8260D	2 Bus. Days	

Relinquished By : 
Date / Time : 10-22-24 1050

Received By : 
Date / Time : 10-22-24 10:50

Storage Area : VOA Refridgerator Room